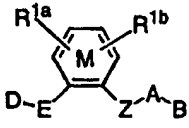




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(21) International Application Number: PCT/US98/12682 (22) International Filing Date: 18 June 1998 (18.06.98) (30) Priority Data: 08/878,562 19 June 1997 (19.06.97) US (71) Applicant: THE DU PONT MERCK PHARMACEUTICAL COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventors: PRUITT, James, Russell; 237 Skycrest Drive, Landenberg, PA 19350 (US). PINTO, Donald, Joseph, Phillip; 39 Whitson Road, Newark, DE 19702 (US). QUAN, Mimi, Lifen; 113 Venus Drive, Newark, DE 19711 (US). WEXLER, Ruth, Richmond; 2205 Patwynn Road, Wilmington, DE 19810 (US). (74) Agent: VANCE, David, H.; The du Pont Merck Pharmaceutical Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).		(81) Designated States: AU, CA, IL, JP, MX, NZ, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: (AMIDINO)6-MEMBERED AROMATICS AS FACTOR Xa INHIBITORS <div style="text-align: center;"><p>(I)</p></div> (57) Abstract <p>The present application describes 6-membered aromatics of formula (I) or pharmaceutically acceptable salt forms thereof, wherein D may be CH₂NH₂ or C(=NH)NH₂, which are useful as inhibitors of factor Xa.</p>		

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TITLE

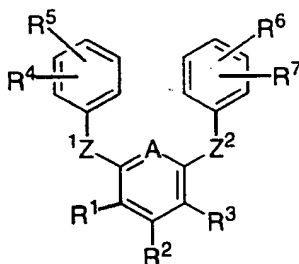
(AMIDINO)6-MEMBERED AROMATICS AS FACTOR Xa INHIBITORS

FIELD OF THE INVENTION

5 This invention relates generally to novel 6-membered aromatics which are inhibitors of trypsin-like serine protease enzymes, especially factor Xa, pharmaceutical compositions containing the same, and methods of using the same as
 10 anticoagulant agents for treatment and prevention of thromboembolic disorders.

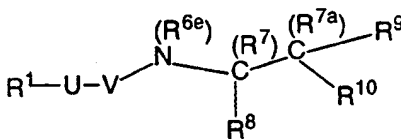
BACKGROUND OF THE INVENTION

15 WO 96/28427 describes benzamidine anticoagulants of the formula:



wherein Z¹ and Z² are O, N(R), S or OCH₂ and the central ring may be phenyl or a variety of heterocycles. The presently claimed compounds do not contain the Z¹ linker or the
 20 substitution pattern of the above compounds.

WO 95/18111 addresses fibrinogen receptor antagonists, containing basic and acidic termini, of the formula:



25 wherein R¹ represents the basic termini, U is an alkylene or heteroatom linker, V may be a heterocycle, and the right hand portion of the molecule represents the acidic termini. The presently claimed compounds do not contain the acidic termini
 30 of WO 95/18111.

Activated factor Xa, whose major practical role is the generation of thrombin by the limited proteolysis of prothrombin, holds a central position that links the intrinsic and extrinsic activation mechanisms in the final common pathway of blood coagulation. The generation of thrombin, the final serine protease in the pathway to generate a fibrin clot, from its precursor is amplified by formation of prothrombinase complex (factor Xa, factor V, Ca^{2+} and phospholipid). Since it is calculated that one molecule of factor Xa can generate 138 molecules of thrombin (Elodi, S., Varadi, K.: *Optimization of conditions for the catalytic effect of the factor IXa-factor VIII Complex: Probable role of the complex in the amplification of blood coagulation. Thromb. Res.* **1979**, 15, 617-629), inhibition of factor Xa may be more efficient than inactivation of thrombin in interrupting the blood coagulation system.

Therefore, efficacious and specific inhibitors of factor Xa are needed as potentially valuable therapeutic agents for the treatment of thromboembolic disorders. It is thus desirable to discover new factor Xa inhibitors.

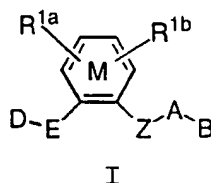
SUMMARY OF THE INVENTION

Accordingly, one object of the present invention is to provide novel 6-membered aromatics which are useful as factor Xa inhibitors or pharmaceutically acceptable salts or prodrugs thereof.

It is another object of the present invention to provide pharmaceutical compositions comprising a pharmaceutically acceptable carrier and a therapeutically effective amount of at least one of the compounds of the present invention or a pharmaceutically acceptable salt or prodrug form thereof.

It is another object of the present invention to provide a method for treating thromboembolic disorders comprising administering to a host in need of such treatment a therapeutically effective amount of at least one of the compounds of the present invention or a pharmaceutically acceptable salt or prodrug form thereof.

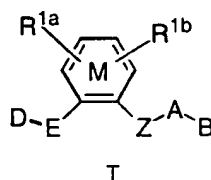
These and other objects, which will become apparent during the following detailed description, have been achieved by the inventors' discovery that compounds of formula (I):



or pharmaceutically acceptable salt or prodrug forms thereof, wherein A, B, D, E, M, R^{1a}, R^{1b}, and Z are defined below, are effective factor Xa inhibitors.

10 DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

[1] Thus, in a first embodiment, the present invention provides novel compounds of formula I:



or a stereoisomer or pharmaceutically acceptable salt form thereof, wherein;

20 ring M contains from 0-4 N atoms;

D is selected from CN, C(=NR⁷)NR⁸R⁹, NHC(=NR⁷)NR⁸R⁹, NR⁸CH(=NR⁷), C(O)NR⁸R⁹, and (CR⁸R⁹)_tNR⁸R⁹;

25 E is selected from phenyl, 2-pyridyl, 4-pyridyl, pyrimidyl, and piperidinyl substituted with 1 R;

R is selected from H, F, Cl, Br, I, OR³, SR³, CO₂R³, NO₂, and CH₂OR³, and (CR⁸R⁹)_tNR⁸R⁹;

30 alternatively, E and R combine to form methylenedioxy or ethylenedioxy;

Z is selected from a bond, C₁₋₄ alkylene, (CH₂)_rO(CH₂)_r,
 (CH₂)_rNR³(CH₂)_r, (CH₂)_rC(O)(CH₂)_r, (CH₂)_rC(O)O(CH₂)_r,
 (CH₂)_rOC(O)(CH₂)_r, (CH₂)_rC(O)NR³(CH₂)_r,
 (CH₂)_rNR³C(O)(CH₂)_r, (CH₂)_rOC(O)O(CH₂)_r,
 5 (CH₂)_rOC(O)NR³(CH₂)_r, (CH₂)_rNR³C(O)O(CH₂)_r,
 (CH₂)_rNR³C(O)NR³(CH₂)_r, (CH₂)_rS(O)_p(CH₂)_r,
 (CH₂)_rSO₂NR³(CH₂)_r, (CH₂)_rNR³SO₂(CH₂)_r, and
 (CH₂)_rNR³SO₂NR³(CH₂)_r, provided that Z does not form a N-
 N, N-O, N-S, NCH₂N, NCH₂O, or NCH₂S bond with ring M or
 10 group A;

R^{1a} and R^{1b} are independently absent or selected from
 -(CH₂)_r-R^{1'}, -CH=CH-R^{1'}, NCH₂R^{1''}, OCH₂R^{1''}, SCH₂R^{1''},
 15 NH(CH₂)₂(CH₂)_tR^{1'}, O(CH₂)₂(CH₂)_tR^{1'}, and S(CH₂)₂(CH₂)_tR^{1'};

alternatively, R^{1a} and R^{1b}, when attached to adjacent carbon
 atoms, together with the atoms to which they are attached
 form a 5-8 membered saturated, partially saturated or
 unsaturated ring substituted with 0-2 R⁴ and which
 20 contains from 0-2 heteroatoms selected from the group
 consisting of N, O, and S;

alternatively, when Z is C(O)NH and R^{1a} is attached to a ring
 carbon adjacent to Z, then R^{1a} is a C(O) which replaces
 25 the amide hydrogen of Z to form a cyclic imide;

R^{1'} is selected from H, C₁₋₃ alkyl, F, Cl, Br, I, -CN, -CHO,
 (CF₂)_rCF₃, (CH₂)_rOR², NR²R^{2a}, C(O)R^{2c}, OC(O)R²,
 (CF₂)_rCO₂R^{2c}, S(O)_pR^{2b}, NR²(CH₂)_rOR², CH(=NR^{2c})NR²R^{2a},
 30 NR²C(O)R^{2b}, NR²C(O)NHR^{2b}, NR²C(O)₂R^{2a}, OC(O)NR^{2a}R^{2b},
 C(O)NR²R^{2a}, C(O)NR²(CH₂)_rOR², SO₂NR²R^{2a}, NR²SO₂R^{2b}, C₃₋₆
 carbocyclic residue substituted with 0-2 R⁴, and 5-10
 membered heterocyclic system containing from 1-4
 heteroatoms selected from the group consisting of N, O,
 35 and S substituted with 0-2 R⁴;

R^{1''} is selected from H, CH(CH₂OR²)₂, C(O)R^{2c}, C(O)NR²R^{2a},
 S(O)R^{2b}, S(O)₂R^{2b}, and SO₂NR²R^{2a};

R², at each occurrence, is selected from H, CF₃, C₁₋₆ alkyl, benzyl, C₃₋₆ carbocyclic residue substituted with 0-2 R^{4b}, and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b};

R^{2a}, at each occurrence, is selected from H, CF₃, C₁₋₆ alkyl, benzyl, phenethyl, C₃₋₆ carbocyclic residue substituted with 0-2 R^{4b}, and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b};

R^{2b}, at each occurrence, is selected from CF₃, C₁₋₄ alkoxy, C₁₋₆ alkyl, benzyl, C₃₋₆ carbocyclic residue substituted with 0-2 R^{4b}, and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b};

R^{2c}, at each occurrence, is selected from CF₃, OH, C₁₋₄ alkoxy, C₁₋₆ alkyl, benzyl, C₃₋₆ carbocyclic residue substituted with 0-2 R^{4b}, and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b};

alternatively, R² and R^{2a}, together with the atom to which they are attached, combine to form a 5 or 6 membered saturated, partially saturated or unsaturated ring substituted with 0-2 R^{4b} and containing from 0-1 additional heteroatoms selected from the group consisting of N, O, and S;

R³, at each occurrence, is selected from H, C₁₋₄ alkyl, and phenyl;

R^{3a}, at each occurrence, is selected from H, C₁₋₄ alkyl, and phenyl;

R^{3b}, at each occurrence, is selected from H, C₁₋₄ alkyl, and phenyl;

5 R^{3c}, at each occurrence, is selected from C₁₋₄ alkyl, and phenyl;

A is selected from:

C₃₋₁₀ carbocyclic residue substituted with 0-2 R⁴, and
5-10 membered heterocyclic system containing from 1-4
10 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R⁴;

B is selected from: H, Y, and X-Y;

15 X is selected from C₁₋₄ alkylene, -CR²(CR²R^{2b})(CH₂)_t-, -C(O)-, -C(=NR¹)-, -CR²(NR¹R²)-, -CR²(OR²)-, -CR²(SR²)-, -C(O)CR²R^{2a}-, -CR²R^{2a}C(O)-, -S(O)_p-, -S(O)_pCR²R^{2a}-, -CR²R^{2a}S(O)_p-, -S(O)₂NR²-, -NR²S(O)₂-, -NR²S(O)₂CR²R^{2a}-, -CR²R^{2a}S(O)₂NR²-, -NR²S(O)₂NR²-, -C(O)NR²-, -NR²C(O)-, -C(O)NR²CR²R^{2a}-, -NR²C(O)CR²R^{2a}-, -CR²R^{2a}C(O)NR²-, -CR²R^{2a}NR²C(O)-, -NR²C(O)O-, -OC(O)NR²-, -NR²C(O)NR²-, -NR²-, -NR²CR²R^{2a}-, -CR²R^{2a}NR²-, O-, -CR²R^{2a}O-, and -OCR²R^{2a}-;

25 Y is selected from:

(CH₂)_rNR²R^{2a}, provided that X-Y do not form a N-N, O-N, or S-N bond,

C₃₋₁₀ carbocyclic residue substituted with 0-2 R^{4a}, and
5-10 membered heterocyclic system containing from 1-4
30 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4a};

R⁴, at each occurrence, is selected from H, =O, (CH₂)_rOR², F, Cl, Br, I, C₁₋₄ alkyl, -CN, NO₂, (CH₂)_rNR²R^{2a},
35 (CH₂)_rC(O)R^{2c}, NR²C(O)R^{2b}, C(O)NR²R^{2a}, NR²C(O)NR²R^{2a}, CH(=NR²)NR²R^{2a}, CH(=NS(O)₂R⁵)NR²R^{2a}, NHC(=NR²)NR²R^{2a}, C(O)NHC(=NR²)NR²R^{2a}, SO₂NR²R^{2a}, NR²SO₂NR²R^{2a}, NR²SO₂-C₁₋₄ alkyl, NR²SO₂R⁵, S(O)_pR⁵, (CF₂)_rCF₃, NCH₂R¹-, OCH₂R¹-,

$\text{SCH}_2\text{R}^{1''}$, $\text{N}(\text{CH}_2)_2(\text{CH}_2)_t\text{R}^{1'}$, $\text{O}(\text{CH}_2)_2(\text{CH}_2)_t\text{R}^{1'}$, and
 $\text{S}(\text{CH}_2)_2(\text{CH}_2)_t\text{R}^{1'}$;

alternatively, one R^4 is a 5-6 membered aromatic heterocycle
 5 containing from 1-4 heteroatoms selected from the group
 consisting of N, O, and S;

R^{4a} , at each occurrence, is selected from H, =O, $(\text{CH}_2)_r\text{OR}^2$,
 $(\text{CH}_2)_r\text{-F}$, $(\text{CH}_2)_r\text{-Br}$, $(\text{CH}_2)_r\text{-Cl}$, I, C_{1-4} alkyl, -CN, NO_2 ,
 10 $(\text{CH}_2)_r\text{NR}^2\text{R}^{2a}$, $(\text{CH}_2)_r\text{NR}^2\text{R}^{2b}$, $(\text{CH}_2)_r\text{C}(\text{O})\text{R}^{2c}$, $\text{NR}^2\text{C}(\text{O})\text{R}^{2b}$,
 $\text{C}(\text{O})\text{NR}^2\text{R}^{2a}$, $\text{C}(\text{O})\text{NH}(\text{CH}_2)_2\text{NR}^2\text{R}^{2a}$, $\text{NR}^2\text{C}(\text{O})\text{NR}^2\text{R}^{2a}$,
 $\text{CH}(\text{=NR}^2)\text{NR}^2\text{R}^{2a}$, $\text{NHC}(\text{=NR}^2)\text{NR}^2\text{R}^{2a}$, $\text{SO}_2\text{NR}^2\text{R}^{2a}$, $\text{NR}^2\text{SO}_2\text{NR}^2\text{R}^{2a}$,
 $\text{NR}^2\text{SO}_2\text{-C}_{1-4}$ alkyl, $\text{C}(\text{O})\text{NHSO}_2\text{-C}_{1-4}$ alkyl, $\text{NR}^2\text{SO}_2\text{R}^5$, $\text{S}(\text{O})_p\text{R}^5$,
 and $(\text{CF}_2)_r\text{CF}_3$;

alternatively, one R^{4a} is a 5-6 membered aromatic heterocycle
 containing from 1-4 heteroatoms selected from the group
 consisting of N, O, and S and substituted with 0-1 R^5 ;

20 R^{4b} , at each occurrence, is selected from H, =O, $(\text{CH}_2)_r\text{OR}^3$, F,
 Cl, Br, I, C_{1-4} alkyl, -CN, NO_2 , $(\text{CH}_2)_r\text{NR}^3\text{R}^{3a}$,
 $(\text{CH}_2)_r\text{C}(\text{O})\text{R}^3$, $(\text{CH}_2)_r\text{C}(\text{O})\text{OR}^{3c}$, $\text{NR}^3\text{C}(\text{O})\text{R}^{3a}$, $\text{C}(\text{O})\text{NR}^3\text{R}^{3a}$,
 $\text{NR}^3\text{C}(\text{O})\text{NR}^3\text{R}^{3a}$, $\text{CH}(\text{=NR}^3)\text{NR}^3\text{R}^{3a}$, $\text{NH}^3\text{C}(\text{=NR}^3)\text{NR}^3\text{R}^{3a}$, $\text{SO}_2\text{NR}^3\text{R}^{3a}$,
 $\text{NR}^3\text{SO}_2\text{NR}^3\text{R}^{3a}$, $\text{NR}^3\text{SO}_2\text{-C}_{1-4}$ alkyl, $\text{NR}^3\text{SO}_2\text{CF}_3$, $\text{NR}^3\text{SO}_2\text{-phenyl}$,
 25 $\text{S}(\text{O})_p\text{CF}_3$, $\text{S}(\text{O})_p\text{-C}_{1-4}$ alkyl, $\text{S}(\text{O})_p\text{-phenyl}$, and $(\text{CF}_2)_r\text{CF}_3$;

R^5 , at each occurrence, is selected from CF_3 , C_{1-6} alkyl,
 phenyl substituted with 0-2 R^6 , and benzyl substituted
 with 0-2 R^6 ;

30 R^6 , at each occurrence, is selected from H, OH, $(\text{CH}_2)_r\text{OR}^2$, F,
 Cl, Br, I, C_{1-4} alkyl, CN, NO_2 , $(\text{CH}_2)_r\text{NR}^2\text{R}^{2a}$,
 $(\text{CH}_2)_r\text{C}(\text{O})\text{R}^{2b}$, $\text{NR}^2\text{C}(\text{O})\text{R}^{2b}$, $\text{NR}^2\text{C}(\text{O})\text{NR}^2\text{R}^{2a}$, $\text{CH}(\text{=NH})\text{NH}_2$,
 $\text{NHC}(\text{=NH})\text{NH}_2$, $\text{SO}_2\text{NR}^2\text{R}^{2a}$, $\text{NR}^2\text{SO}_2\text{NR}^2\text{R}^{2a}$, and $\text{NR}^2\text{SO}_2\text{C}_{1-4}$ alkyl;

35 R^7 , at each occurrence, is selected from H, OH, C_{1-6} alkyl,
 C_{1-6} alkylcarbonyl, C_{1-6} alkoxy, C_{1-4} alkoxycarbonyl,
 $(\text{CH}_2)_n\text{-phenyl}$, C_{6-10} aryloxy, C_{6-10} aryloxycarbonyl, C_{6-10}

arylmethylcarbonyl, C₁₋₄ alkylcarbonyloxy C₁₋₄
alkoxycarbonyl, C₆₋₁₀ arylcarbonyloxy C₁₋₄ alkoxycarbonyl,
C₁₋₆ alkylaminocarbonyl, phenylaminocarbonyl, and
phenyl-C₁₋₄ alkoxycarbonyl;

5

R⁸, at each occurrence, is selected from H, C₁₋₆ alkyl and
(CH₂)_n-phenyl;

10

alternatively, R⁷ and R⁸ combine to form a 5 or 6 membered
saturated, ring which contains from 0-1 additional
heteroatoms selected from the group consisting of N, O,
and S;

15

R⁹, at each occurrence, is selected from H, C₁₋₆ alkyl and
(CH₂)_n-phenyl;

n is selected from 0, 1, 2, and 3;

m is selected from 0, 1, and 2;

20

p is selected from 0, 1, and 2;

r is selected from 0, 1, 2, and 3;

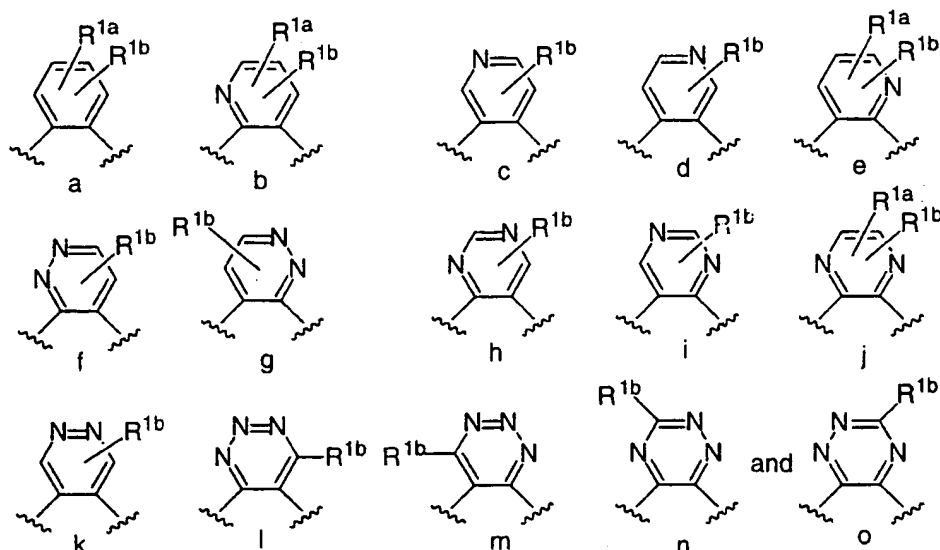
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s is selected from 0, 1, and 2; and,

t is selected from 0 and 1.

30

[2] In a preferred embodiment, the present invention provides
novel compounds of formulae Ia-Io:



wherein:

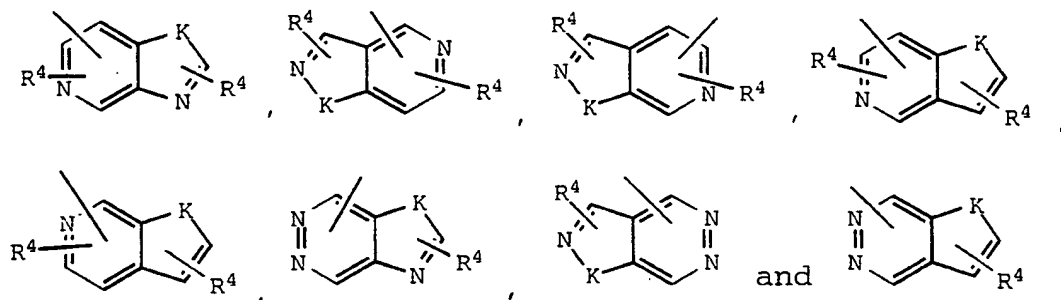
5 Z is selected from a bond, CH₂O, OCH₂, CH₂NH, NHCH₂, CH₂C(O), C(O)CH₂, C(O)NH, C(O)NH, CH₂S(O)₂, S(O)₂(CH₂), SO₂NH, and SO₂NH;

10 B is selected from: Y, X-Y, and NR²R^{2a};

Y is selected from one of the following carbocyclic and heterocyclic systems which are substituted with 0-2 R^{4a};

phenyl, piperidinyl, piperazinyl, pyridyl, pyrimidyl, furanyl, morpholinyl, thiophenyl, pyrrolyl, pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, pyrazolyl, imidazolyl, oxadiazole, thiadiazole, triazole, 1,2,3-oxadiazole, 1,2,4-oxadiazole, 1,2,5-oxadiazole, 1,3,4-oxadiazole, 1,2,3-thiadiazole, 1,2,4-thiadiazole, 1,2,5-thiadiazole, 1,3,4-thiadiazole, 1,2,3-triazole, 1,2,4-triazole, 1,2,5-triazole, 1,3,4-triazole, benzofuran, benzothiofuran, indole, benzimidazole, benzoxazole, benzthiazole, indazole, benzisoxazole, benzisothiazole, and isoindazole;

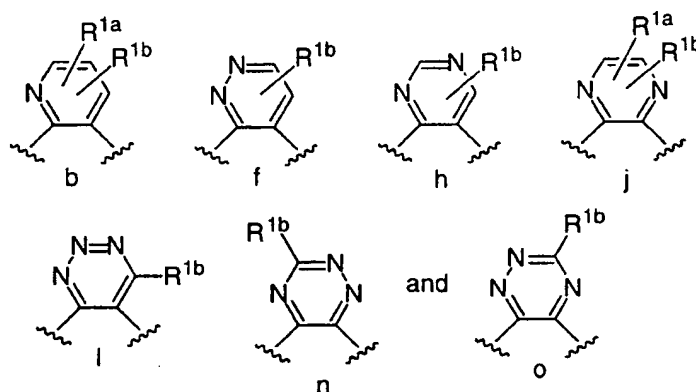
Y may also be selected from the following bicyclic heteroaryl ring systems:



K is selected from O, S, NH, and N.

5

[3] In a more preferred embodiment, the present invention provides novel compounds of formulae:



10

wherein:

D is selected from $C(=NR^7)NR^8R^9$ and $(CR^8R^9)_tNR^8R^9$;

15 R is selected from H, F, Cl, OR^3 , CH_2OR^3 , CH_2NH_2 ;

A is selected from:

piperidinyl,

piperazinyl,

20

C_{5-6} carbocyclic residue substituted with 0-2 R^4 , and

5-6 membered heteroaryl containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^4 ;

Y is selected from one of the following carbocyclic and heterocyclic systems which are substituted with 0-2 R^{4a};
phenyl, piperidinyl, piperazinyl, pyridyl,
pyrimidyl, furanyl, morpholinyl, thiophenyl, pyrrolyl,
5 pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl,
isothiazolyl, pyrazolyl, imidazolyl, benzimidazolyl,
oxadiazole, thiadiazole, triazole, 1,2,3-oxadiazole,
1,2,4-oxadiazole, 1,2,5-oxadiazole, 1,3,4-oxadiazole,
1,2,3-thiadiazole, 1,2,4-thiadiazole, 1,2,5-thiadiazole,
10 1,3,4-thiadiazole, 1,2,3-triazole, 1,2,4-triazole, 1,2,5-triazole, and 1,3,4-triazole.

[4] In an even more preferred embodiment, the present
15 invention provides novel compounds wherein:

E is phenyl;

D is selected from C(=NH)NH₂ and CH₂NH₂;

20

R is selected from H, F, Cl, and Br;

A is selected from:

C₅₋₆ carbocyclic residue substituted with 0-2 R⁴, and
25 5-6 membered heteroaryl containing from 1-3 heteroatoms
selected from the group consisting of N, O, and S substituted
with 0-2 R⁴;

Y is selected from one of the following carbocyclic and
30 heterocyclic systems which are substituted with 0-2 R^{4a};
phenyl, piperidinyl, piperazinyl, pyridyl,
pyrimidyl, furanyl, morpholinyl, thiophenyl, pyrrolyl,
pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl,
isothiazolyl, pyrazolyl, imidazolyl, benzimidazolyl,
35 oxadiazole, thiadiazole, triazole, 1,2,3-oxadiazole,
1,2,4-oxadiazole, 1,2,5-oxadiazole, 1,3,4-oxadiazole,
1,2,3-thiadiazole, 1,2,4-thiadiazole, 1,2,5-thiadiazole,

1,3,4-thiadiazole, 1,2,3-triazole, 1,2,4-triazole, 1,2,5-triazole, and 1,3,4-triazole;

5 R^2 , at each occurrence, is selected from H, CF_3 , C_{1-6} alkyl, benzyl, C_{5-6} carbocyclic residue substituted with 0-2 R^{4b} , and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b} ;

10 R^{2a} , at each occurrence, is selected from H, CF_3 , C_{1-6} alkyl, benzyl, phenethyl, C_{5-6} carbocyclic residue substituted with 0-2 R^{4b} , and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b} ;

15 R^{2b} , at each occurrence, is selected from CF_3 , C_{1-4} alkoxy, C_{1-6} alkyl, benzyl, C_{5-6} carbocyclic residue substituted with 0-2 R^{4b} , and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b} ;

20 R^{2c} , at each occurrence, is selected from CF_3 , OH, C_{1-4} alkoxy, C_{1-6} alkyl, benzyl, C_{5-6} carbocyclic residue substituted with 0-2 R^{4b} , and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b} ;

25 alternatively, R^2 and R^{2a} , together with the atom to which they are attached, combine to form a ring selected from imidazolyl, morpholino, piperazinyl, pyridyl, and pyrrolidinyl, substituted with 0-2 R^{4b} ;

30 R^4 , at each occurrence, is selected from H, =O, OR^2 , CH_2OR^2 , F, Cl, C_{1-4} alkyl, NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2c}$, $CH_2C(O)R^{2c}$, $C(O)NR^2R^{2a}$, $CH(=NR^2)NR^2R^{2a}$, $CH(=NS(O)_2R^5)NR^2R^{2a}$, $SO_2NR^2R^{2a}$, $NR^2SO_2-C_{1-4}$ alkyl, $S(O)_2R^5$, and CF_3

provided that if B is H, then R⁴ is other than tetrazole,
C(O)-alkoxy, and C(O)NR²R^{2a};

5 R^{4a}, at each occurrence, is selected from H, =O, (CH₂)_rOR², F,
Cl, C₁₋₄ alkyl, NR²R^{2a}, CH₂NR²R^{2a}, NR²R^{2b}, CH₂NR²R^{2b},
(CH₂)_rC(O)R^{2c}, NR²C(O)R^{2b}, C(O)NR²R^{2a}, C(O)NH(CH₂)₂NR²R^{2a},
NR²C(O)NR²R^{2a}, SO₂NR²R^{2a}, S(O)₂R⁵, and CF₃; and,

10 R^{4b}, at each occurrence, is selected from H, =O, (CH₂)_rOR³, F,
Cl, C₁₋₄ alkyl, NR³R^{3a}, CH₂NR³R^{3a}, C(O)R³, CH₂C(O)R³,
C(O)OR^{3c}, C(O)NR³R^{3a}, CH(=NR³)NR³R^{3a}, SO₂NR³R^{3a},
NR³SO₂-C₁₋₄ alkyl, NR³SO₂CF₃, NR³SO₂-phenyl, S(O)₂CF₃,
S(O)₂-C₁₋₄ alkyl, S(O)₂-phenyl, and CF₃.

15

[5] In a further preferred embodiment, the present invention
provides novel compounds selected from:

20 N-(2'-Aminosulfonyl-[1,1']biphen-4-yl)-2-(3'-
amidinophenyl)nicotinamide;

N-[5-(2-aminosulfonyl)phenylpyrid-2-yl]-2-(3'-
amidinophenyl)nicotinamide;

25 N-[5-(2-t-butylaminosulfonyl)phenylpyrid-2-yl]-2-(3'-
amidinophenyl)nicotinamide; and,

N-[5-(2-aminosulfonyl)phenylpyrid-2-yl]-2-(3'-
carboxamidophenyl)nicotinamide;

30

or a pharmaceutically acceptable salt thereof.

35 In a second embodiment, the present invention provides
novel pharmaceutical compositions, comprising: a
pharmaceutically acceptable carrier and a therapeutically
effective amount of a compound of formula (I) or a
pharmaceutically acceptable salt form thereof.

In a third embodiment, the present invention provides a novel method for treating or preventing a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt form thereof.

DEFINITIONS

10 The compounds herein described may have asymmetric centers. Compounds of the present invention containing an asymmetrically substituted atom may be isolated in optically active or racemic forms. It is well known in the art how to prepare optically active forms, such as by resolution of
15 racemic forms or by synthesis from optically active starting materials. Many geometric isomers of olefins, C=N double bonds, and the like can also be present in the compounds described herein, and all such stable isomers are contemplated in the present invention. Cis and trans geometric isomers of
20 the compounds of the present invention are described and may be isolated as a mixture of isomers or as separated isomeric forms. All chiral, diastereomeric, racemic forms and all geometric isomeric forms of a structure are intended, unless the specific stereochemistry or isomeric form is specifically
25 indicated.

The term "substituted," as used herein, means that any one or more hydrogens on the designated atom is replaced with a selection from the indicated group, provided that the designated atom's normal valency is not exceeded, and that the
30 substitution results in a stable compound. When a substituent is keto (i.e., =O), then 2 hydrogens on the atom are replaced. Keto substituents are not present on aromatic moieties.

The present invention is intended to include all isotopes of atoms occurring in the present compounds. Isotopes include
35 those atoms having the same atomic number but different mass numbers. By way of general example and without limitation, isotopes of hydrogen include tritium and deuterium. Isotopes of carbon include C-13 and C-14.

When any variable (e.g., R^6) occurs more than one time in any constituent or formula for a compound, its definition at each occurrence is independent of its definition at every other occurrence. Thus, for example, if a group is shown to be substituted with 0-2 R^6 , then said group may optionally be substituted with up to two R^6 groups and R^6 at each occurrence is selected independently from the definition of R^6 . Also, combinations of substituents and/or variables are permissible only if such combinations result in stable compounds.

When a bond to a substituent is shown to cross a bond connecting two atoms in a ring, then such substituent may be bonded to any atom on the ring. When a substituent is listed without indicating the atom via which such substituent is bonded to the rest of the compound of a given formula, then such substituent may be bonded via any atom in such substituent. Combinations of substituents and/or variables are permissible only if such combinations result in stable compounds.

As used herein, "alkyl" is intended to include both branched and straight-chain saturated aliphatic hydrocarbon groups having the specified number of carbon atoms. Examples of alkyl include, but are not limited to, methyl, ethyl, n-propyl, i-propyl, n-butyl, s-butyl, t-butyl, n-pentyl, and s-pentyl. "Haloalkyl" is intended to include both branched and straight-chain saturated aliphatic hydrocarbon groups having the specified number of carbon atoms, substituted with 1 or more halogen (for example $-C_vF_w$ where $v = 1$ to 3 and $w = 1$ to $(2v+1)$). Examples of haloalkyl include, but are not limited to, trifluoromethyl, trichloromethyl, pentafluoroethyl, and pentachloroethyl. "Alkoxy" represents an alkyl group as defined above with the indicated number of carbon atoms attached through an oxygen bridge. Examples of alkoxy include, but are not limited to, methoxy, ethoxy, n-propoxy, i-propoxy, n-butoxy, s-butoxy, t-butoxy, n-pentoxy, and s-pentoxy. "Cycloalkyl" is intended to include saturated ring groups, such as cyclopropyl, cyclobutyl, or cyclopentyl. "Alkenyl" is intended to include hydrocarbon chains of either a straight or branched configuration and one or more unsaturated

carbon-carbon bonds which may occur in any stable point along the chain, such as ethenyl, propenyl and the like. "Alkynyl" is intended to include hydrocarbon chains of either a straight or branched configuration and one or more triple carbon-carbon bonds which may occur in any stable point along the chain, such as ethynyl, propynyl and the like.

"Halo" or "halogen" as used herein refers to fluoro, chloro, bromo, and iodo; and "counterion" is used to represent a small, negatively charged species such as chloride, bromide, hydroxide, acetate, sulfate, and the like.

As used herein, "carbocycle" or "carbocyclic residue" is intended to mean any stable 3- to 7-membered monocyclic or bicyclic or 7- to 13-membered bicyclic or tricyclic, any of which may be saturated, partially unsaturated, or aromatic. Examples of such carbocycles include, but are not limited to, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, adamantyl, cyclooctyl, [3.3.0]bicyclooctane, [4.3.0]bicyclononane, [4.4.0]bicyclodecane, [2.2.2]bicyclooctane, fluorenyl, phenyl, naphthyl, indanyl, adamantyl, or tetrahydronaphthyl.

As used herein, the term "heterocycle" or "heterocyclic system" is intended to mean a stable 5-to 7-membered monocyclic or bicyclic or 7-to 10-membered bicyclic heterocyclic ring which is saturated partially unsaturated or unsaturated (aromatic), and which consists of carbon atoms and from 1 to 4 heteroatoms independently selected from the group consisting of N, O and S and including any bicyclic group in which any of the above-defined heterocyclic rings is fused to a benzene ring. The nitrogen and sulfur heteroatoms may optionally be oxidized. The heterocyclic ring may be attached to its pendant group at any heteroatom or carbon atom which results in a stable structure. The heterocyclic rings described herein may be substituted on carbon or on a nitrogen atom if the resulting compound is stable. If specifically noted, a nitrogen in the heterocycle may optionally be quaternized. It is preferred that when the total number of S and O atoms in the heterocycle exceeds 1, then these heteroatoms are not adjacent to one another. It is preferred

that the total number of S and O atoms in the heterocycle is not more than 1. As used herein, the term "aromatic heterocyclic system" is intended to mean a stable 5-to 7-membered monocyclic or bicyclic or 7-to 10-membered bicyclic heterocyclic aromatic ring which consists of carbon atoms and from 1 to 4 heterotams independently selected from the group consisting of N, O and S. It is preferred that the total number of S and O atoms in the aromatic heterocycle is not more than 1.

10 Examples of heterocycles include, but are not limited to, acridinyl, azocinyl, benzimidazolyl, benzofuranyl, benzothiofuranyl, benzothiophenyl, benzoxazolyl, benzthiazolyl, benztriazolyl, benztetrazolyl, benzisoxazolyl, benzisothiazolyl, benzimidazolyl, carbazolyl, 15 4aH-carbazolyl, carbolinyl, chromanyl, chromenyl, cinnolinyl, decahydroquinolinyl, 2H,6H-1,5,2-dithiazinyl, dihydrofuro[2,3-b]tetrahydrofuran, furanyl, furazanyl, imidazolidinyl, imidazolyl, imidazolyl, 1H-indazolyl, indolenyl, indolinyl, indoliziny, indolyl, 3H-indolyl, 20 isobenzofuranyl, isochromanyl, isoindazolyl, isoindolinyl, isoindolyl, isoquinolinyl, isothiazolyl, isoxazolyl, morpholinyl, naphthyridinyl, octahydroisoquinolinyl, oxadiazolyl, 1,2,3-oxadiazolyl, 1,2,4-oxadiazolyl, 1,2,5-oxadiazolyl, 1,3,4-oxadiazolyl, oxazolidinyl, oxazolyl, 25 oxazolidinyl, pyrimidinyl, phenanthridinyl, phenanthrolinyl, phenazinyl, phenothiazinyl, phenoxathiinyl, phenoxazinyl, phthalazinyl, piperazinyl, piperidinyl, pteridinyl, purinyl, pyranyl, pyrazinyl, pyrazolidinyl, pyrazolinyl, pyrazolyl, pyridazinyl, pyridooxazole, pyridoimidazole, pyridothiazole, 30 pyridinyl, pyridyl, pyrimidinyl, pyrrolidinyl, pyrrolinyl, 2H-pyrrolyl, pyrrolyl, quinazolinyl, quinolinyl, 4H-quinoliziny, quinoxaliny, quinuclidinyl, tetrahydrofuranyl, tetrahydroisoquinolinyl, tetrahydroquinolinyl, 6H-1,2,5-thiadiazinyl, 1,2,3- 35 thiadiazolyl, 1,2,4-thiadiazolyl, 1,2,5-thiadiazolyl, 1,3,4-thiadiazolyl, thianthrenyl, thiazolyl, thienyl, thienothiazolyl, thienooxazolyl, thienoimidazolyl, thiophenyl, triazinyl, 1,2,3-triazolyl, 1,2,4-triazolyl, 1,2,5-triazolyl,

1,3,4-triazolyl, and xanthenyl. Preferred heterocycles include, but are not limited to, pyridinyl, furanyl, thienyl, pyrrolyl, pyrazolyl, pyrrolidinyl, imidazolyl, indolyl, benzimidazolyl, 1H-indazolyl, oxazolidinyl, benzotriazolyl, 5 benzisoxazolyl, oxindolyl, benzoxazoliny, or isatinoyl. Also included are fused ring and spiro compounds containing, for example, the above heterocycles.

The phrase "pharmaceutically acceptable" is employed herein to refer to those compounds, materials, compositions, 10 and/or dosage forms which are, within the scope of sound medical judgment, suitable for use in contact with the tissues of human beings and animals without excessive toxicity, irritation, allergic response, or other problem or complication, commensurate with a reasonable benefit/risk 15 ratio.

As used herein, "pharmaceutically acceptable salts" refer to derivatives of the disclosed compounds wherein the parent compound is modified by making acid or base salts thereof. Examples of pharmaceutically acceptable salts include, but are 20 not limited to, mineral or organic acid salts of basic residues such as amines; alkali or organic salts of acidic residues such as carboxylic acids; and the like. The pharmaceutically acceptable salts include the conventional non-toxic salts or the quaternary ammonium salts of the parent 25 compound formed, for example, from non-toxic inorganic or organic acids. For example, such conventional non-toxic salts include those derived from inorganic acids such as hydrochloric, hydrobromic, sulfuric, sulfamic, phosphoric, nitric and the like; and the salts prepared from organic acids 30 such as acetic, propionic, succinic, glycolic, stearic, lactic, malic, tartaric, citric, ascorbic, pantoic, maleic, hydroxymaleic, phenylacetic, glutamic, benzoic, salicylic, sulfanilic, 2-acetoxybenzoic, fumaric, toluenesulfonic, methanesulfonic, ethane disulfonic, oxalic, isethionic, and 35 the like.

The pharmaceutically acceptable salts of the present invention can be synthesized from the parent compound which contains a basic or acidic moiety by conventional chemical

methods. Generally, such salts can be prepared by reacting the free acid or base forms of these compounds with a stoichiometric amount of the appropriate base or acid in water or in an organic solvent, or in a mixture of the two; generally, nonaqueous media like ether, ethyl acetate, ethanol, isopropanol, or acetonitrile are preferred. Lists of suitable salts are found in *Remington's Pharmaceutical Sciences*, 17th ed., Mack Publishing Company, Easton, PA, 1985, p. 1418, the disclosure of which is hereby incorporated by reference.

"Prodrugs" are intended to include any covalently bonded carriers which release the active parent drug according to formula (I) *in vivo* when such prodrug is administered to a mammalian subject. Prodrugs of a compound of formula (I) are prepared by modifying functional groups present in the compound in such a way that the modifications are cleaved, either in routine manipulation or *in vivo*, to the parent compound. Prodrugs include compounds of formula (I) wherein a hydroxy, amino, or sulfhydryl group is bonded to any group that, when the prodrug or compound of formula (I) is administered to a mammalian subject, cleaves to form a free hydroxyl, free amino, or free sulfhydryl group, respectively. Examples of prodrugs include, but are not limited to, acetate, formate and benzoate derivatives of alcohol and amine functional groups in the compounds of formula (I), and the like. Preferred prodrugs are amidine prodrugs wherein D is $C(=NR^7)NH_2$, and R^7 is selected from OH, C_{1-4} alkoxy, C_{6-10} aryloxy, C_{1-4} alkoxycarbonyl, C_{6-10} aryloxycarbonyl, C_{6-10} arylmethylcarbonyl, C_{1-4} alkylcarbonyloxy C_{1-4} alkoxycarbonyl, and C_{6-10} arylcarbonyloxy C_{1-4} alkoxycarbonyl. More preferred prodrugs are where R^7 is OH, methoxy, ethoxy, benzyloxycarbonyl, methoxycarbonyl, and methylcarbonyloxymethoxycarbonyl.

"Stable compound" and "stable structure" are meant to indicate a compound that is sufficiently robust to survive isolation to a useful degree of purity from a reaction mixture, and formulation into an efficacious therapeutic agent.

"Substituted" is intended to indicate that one or more hydrogens on the atom indicated in the expression using "substituted" is replaced with a selection from the indicated group(s), provided that the indicated atom's normal valency is not exceeded, and that the substitution results in a stable compound. When a substituent is keto (i.e., =O) group, then 2 hydrogens on the atom are replaced.

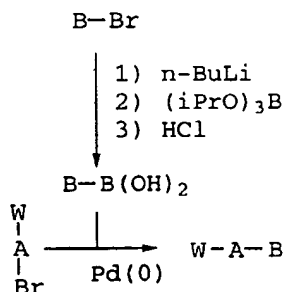
"Therapeutically effective amount" is intended to include an amount of a compound of the present invention or an amount of the combination of compounds claimed effective to inhibit HIV infection or treat the symptoms of HIV infection in a host. The combination of compounds is preferably a synergistic combination. Synergy, as described for example by Chou and Talalay, Adv. Enzyme Regul. 22:27-55 (1984), occurs when the effect (in this case, inhibition of HIV replication) of the compounds when administered in combination is greater than the additive effect of the compounds when administered alone as a single agent. In general, a synergistic effect is most clearly demonstrated at suboptimal concentrations of the compounds. Synergy can be in terms of lower cytotoxicity, increased antiviral effect, or some other beneficial effect of the combination compared with the individual components.

SYNTHESIS

The compounds of the present invention can be prepared in a number of ways known to one skilled in the art of organic synthesis. The compounds of the present invention can be synthesized using the methods described below, together with synthetic methods known in the art of synthetic organic chemistry, or variations thereon as appreciated by those skilled in the art. Preferred methods include, but are not limited to, those described below. The reactions are performed in a solvent appropriate to the reagents and materials employed and suitable for the transformations being effected. It will sometimes require a judgment to modify the order of synthetic steps or to select one particular process scheme over another in order to obtain a desired compound of the invention. It will also be recognized that another major

consideration in the planning of any synthetic route in this field is the judicious choice of the protecting group used for the protection of the reactive functional groups present in the compounds described in this invention. An authoritative account describing the many alternatives to the trained practitioner is Greene and Wuts (*Protective Groups in Organic Chemistry*, Wiley and Sons, **1991**). All references cited herein are hereby incorporated in their entirety herein by reference. Compounds of this invention where B is either a carbocyclic or heterocyclic residue as defined in Formula 1 are coupled to A as shown generically and by specific example in Schemes 1 and 2, respectively. Either or both of A and B may be substituted with 0-2 R⁴. W is defined as a suitable protected nitrogen, such as NO₂ or NHBOC; a protected sulfur, such as S-tBu or SMOM; or a methyl ester. Halogen-metal exchange of the bromine in bromo-B with n-butyl lithium, quenching with triisopropyl borate and acidic hydrolysis gives the required boronic acid, B-B(OH)₂. The W-A-Br subunit may be already linked to ring M before the Suzuki coupling reaction. Deprotection provides the complete subunit.

Scheme 1

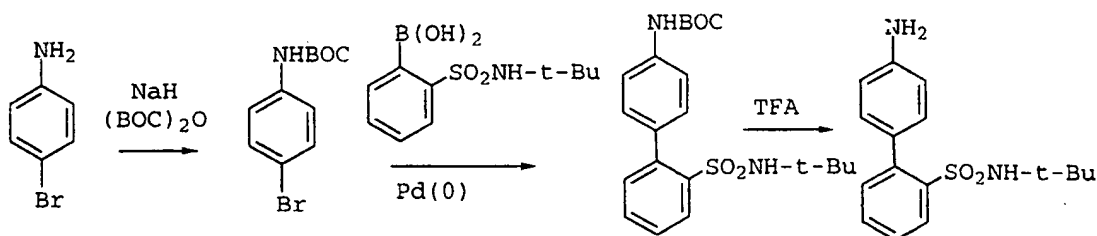


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Scheme 2 describes a typical example of how the A-B subunit is prepared for attachment to ring M. 4-Bromoaniline is protected as Boc-derivative and the coupled to 2-(t-butylamino)sulfonylphenylboronic acid under Suzuki conditions. 2-(t-Butylamino)sulfonylphenylboronic acid is prepared by the method described by Rivero (*Bioorg. Med. Chem. Lett.* **1994**, 189). Deprotection with TFA can provide the aminobiphenyl

compound. The aminobiphenyl is then coupled to the core ring structures as described below.

Scheme 2



When B is defined as X-Y, the following description applies. Groups A and B are available either through commercial sources, known in the literature or readily synthesized by the adaptation of standard procedures known to practitioners skilled in the art of organic synthesis. the required reactive functional groups appended to analogs of A and B are also available either through commercial sources, known in the literature or readily synthesized by the adaptation of standard procedures known to practitioners skilled in the art of synthesis. In the tables that follow the chemistry required to effect the coupling of A to B is outlined.

Table A: Preparation of Amide Ester, Urea, Sulfonamide and Sulfamide Linkages Between A and B.

If A contains:	then the reactive substituent of Y is:	to give the following product A-X-Y:
A-NHR ² as a substituent	ClC(O)-Y	A-NR ² -C(O)-Y
a secondary NH as part of a ring or chain	ClC(O)-Y	A-C(O)-Y
A-OH as a substituent	ClC(O)-Y	A-O-C(O)-Y
A-NHR ² as a substituent	ClC(O)-CR ² R ^{2a} -Y	A-NR ² -C(O)-CR ² R ^{2a} -Y

a secondary NH as part of a ring or chain	ClC(O)-CR ² R ^{2a} -Y	A-C(O)-CR ² R ^{2a} -Y
A-OH as a substituent	ClC(O)-CR ² R ^{2a} -Y	A-O-C(O)-CR ² R ^{2a} -Y
A-NHR ² as a substituent	ClC(O)-CNR ² -Y	A-NR ² -C(O)-CNR ² -Y
a secondary NH as part of a ring or chain	ClC(O)-CNR ² -Y	A-C(O)-CNR ² -Y
A-OH as a substituent	ClC(O)-CNR ² -Y	A-O-C(O)-CNR ² -Y
A-NHR ² as a substituent	ClSO ₂ -Y	A-NR ² -SO ₂ -Y
a secondary NH as part of a ring or chain	ClSO ₂ -Y	A-SO ₂ -Y
A-NHR ² as a substituent	ClSO ₂ -CR ² R ^{2a} -Y	A-NR ² -SO ₂ -CR ² R ^{2a} -Y
a secondary NH as part of a ring or chain	ClSO ₂ -CR ² R ^{2a} -Y	A-SO ₂ -CR ² R ^{2a} -Y
A-NHR ² as a substituent	ClSO ₂ -NR ² -Y	A-NR ² -SO ₂ -NR ² -Y
a secondary NH as part of a ring or chain	ClSO ₂ -NR ² -Y	A-SO ₂ -NR ² -Y
A-C(O)Cl	HO-Y as a substituent	A-C(O)-O-Y
A-C(O)Cl	NHR ² -Y as a substituent	A-C(O)-NR ² -Y
A-C(O)Cl	a secondary NH as part of a ring or chain	A-C(O)-Y
A-CR ² R ^{2a} C(O)Cl	HO-Y as a substituent	A-CR ² R ^{2a} C(O)-O-Y
A-CR ² R ^{2a} C(O)Cl	NHR ² -Y as a substituent	A-CR ² R ^{2a} C(O)-NR ² -Y

$A-CR^2R^{2a}C(O)Cl$	a secondary NH as part of a ring or chain	$A-CR^2R^{2a}C(O)-Y$
$A-SO_2Cl$	NHR^2-Y as a substituent	$A-SO_2-NR^2-Y$
$A-SO_2Cl$	a secondary NH as part of a ring or chain	$A-SO_2-Y$
$A-CR^2R^{2a}SO_2Cl$	NHR^2-Y as a substituent	$A-CR^2R^{2a}SO_2-NR^2-Y$
$A-CR^2R^{2a}SO_2Cl$	a secondary NH as part of a ring or chain	$A-CR^2R^{2a}SO_2-Y$

The chemistry of Table A can be carried out in aprotic solvents such as a chlorocarbon, pyridine, benzene or toluene, at temperatures ranging from $-20^{\circ}C$ to the reflux point of the solvent and with or without a trialkylamine base.

Table B: Preparation of Ketone Linkages between A and B.

If A contains:	then the reactive substituent of Y is:	to give the following product A-X-Y:
$A-C(O)Cl$	$BrMg-Y$	$A-C(O)-Y$
$A-CR^2R^{2a}C(O)Cl$	$BrMg-Y$	$A-CR^2R^{2a}C(O)-Y$
$A-C(O)Cl$	$BrMgCR^2R^{2a}-Y$	$A-C(O)CR^2R^{2a}-Y$
$A-CR^2R^{2a}C(O)Cl$	$BrMgCR^2R^{2a}-Y$	$A-CR^2R^{2a}C(O)CR^2R^{2a}-Y$

The coupling chemistry of table B can be carried out by a variety of methods. The Grignard reagent required for Y is prepared from a halogen analog of Y in dry ether, dimethoxyethane or tetrahydrofuran at $0^{\circ}C$ to the reflux point of the solvent. This Grignard reagent can reacted directly under very controlled conditions, that is low temperature ($-20^{\circ}C$ or lower) and with a large excess of acid chloride or with catalytic or stoichiometric copper bromide•dimethyl sulfide complex in dimethyl sulfide as a solvent or with a variant thereof. Other methods available include transforming

the Grignard reagent to the cadmium reagent and coupling according to the procedure of Carson and Prout (Org. Syn. Col. Vol. 3 (1955) 601) or a coupling mediated by $\text{Fe}(\text{acac})_3$ according to Fiandanese et al. (Tetr. Lett. **1984**, 4805), or a
 5 coupling mediated by manganese (II) catalysis (Cahiez and Laboue, Tetr. Lett. **1992**, 33(31), 4437).

Table C: Preparation of Ether and Thioether linkages between A and B.

If A contains:	then the reactive substituent of Y is:	to give the following product A-X-Y:
A-OH	Br-Y	A-O-Y
A-CR ² R ^{2a} -OH	Br-Y	A-CR ² R ^{2a} O-Y
A-OH	Br-CR ² R ^{2a} -Y	A-OCR ² R ^{2a} -Y
A-SH	Br-Y	A-S-Y
A-CR ² R ^{2a} -SH	Br-Y	A-CR ² R ^{2a} S-Y
A-SH	Br-CR ² R ^{2a} -Y	A-SCR ² R ^{2a} -Y

10

The ether and thioether linkages of Table C can be prepared by reacting the two components in a polar aprotic solvent such as acetone, dimethylformamide or dimethylsulfoxide in the presence of a base such as potassium
 15 carbonate, sodium hydride or potassium t-butoxide at a temperature ranging from ambient to the reflux point of the solvent used.

Table D: Preparation of -SO- and -SO₂- linkages from thioether of Table C.

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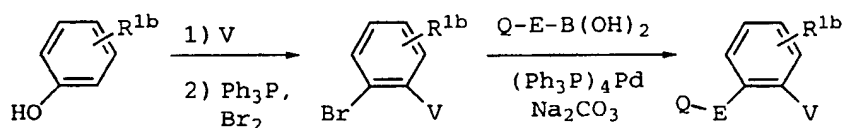
If the starting material is:	then it is oxidized with wet Alumina/Oxone to give:	then it is oxidized with m-chloroperbenzoic acid to give:
A-S-Y	A-S(O)-Y	A-SO ₂ -Y
A-CR ² R ^{2a} S-Y	A-CR ² R ^{2a} S(O)-Y	A-CR ² R ^{2a} SO ₂ -Y
A-SCR ² R ^{2a} -Y	A-S(O)CR ² R ^{2a} -Y	A-SO ₂ CR ² R ^{2a} -Y

The thioethers of Table C serve as a convenient starting material for the preparation of the sulfoxide and sulfone

analogs of Table D. A combination of wet alumina and Oxone can provide a reliable reagents for the oxidation of the thioether to the sulfoxide as shown by Greenhalgh (*Syn. Lett.* **1992**, 235). The sulfone can be prepared according to the method of Satoh (*Chem. Lett.* **1992**, 381) using m-chloroperbenzoic acid.

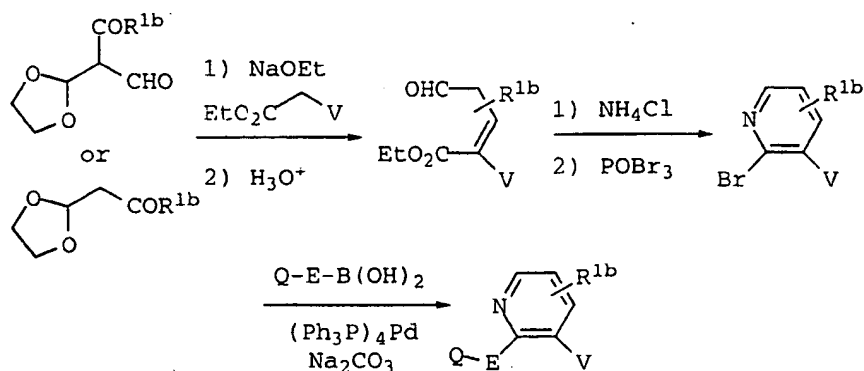
Scheme 3 describes the synthesis of compounds wherein M is a benzene ring and Q is a protected precursor of group D of Formula I and V is a nitro, protected sulfonamide or ester group and precursor of group Z of Formula I. The V group is placed on an appropriately substituted phenol either via nitration as shown by Poirier et al. (*Tetrahedron* **1989**, 45(5), 1415), sulfonylation as shown by Kuznetsov (*Akad. Nauk SSSR Ser. Khim* **1990**, 8, 1888) or carboxylation by Sartori et al. (*Synthesis* **1988**, 10, 763). Bromination with triphenylphosphine and bromine (*J. Am. Chem. Soc.* **1964**, 86, 964) gives the desired bromide. Suzuki coupling with the appropriate boronic acid provides the desired substituted pyridine.

Scheme 3



Schemes 4, 5, 6, and 7 describe the synthesis of compounds wherein M is pyridine and Q is a protected precursor of group D of Formula I. Each scheme represents a different substitution pattern for the pyridine ring. In Scheme 4, a suitably protected aldehyde is subjected to base-catalyzed condensation with an activated ester to give after deprotection the desired aldehyde. Refluxing with ammonium chloride as shown by Dornow and Ische (*Chem. Ber.* **1956**, 89, 876) provides the pyridinol which is brominated with POBr₃ (Tjeenk et al. *Rec. Trav. Chim.* **1948**, 67, 380) to give the desired 2-bromopyridine. Suzuki coupling with the appropriate boronic acid provides the desired substituted pyridine.

Scheme 4

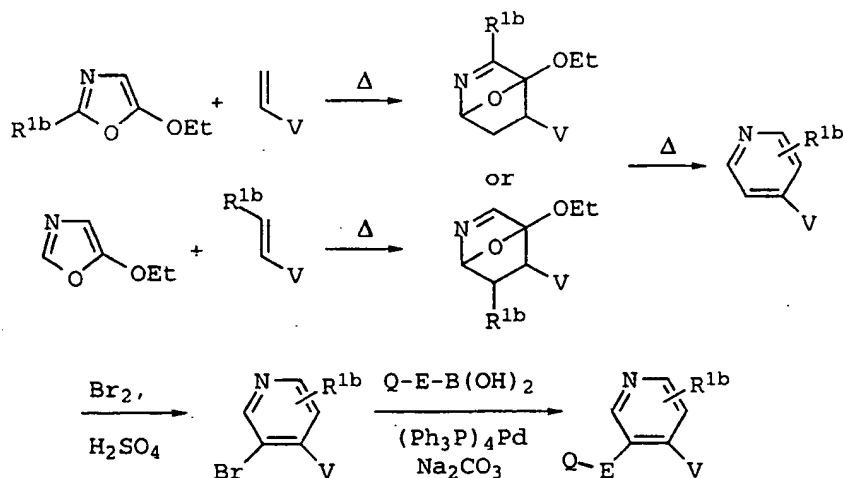


5

Treatment of an appropriately substituted 5-ethoxyoxazole with an alkene as shown by Kondrat'eva et al. (*Dokl. Akad. Nauk SSSR* **1965**, 164, 816) provides a pyridine with the V substituent at the para position. Bromination at the 3-position as shown by van der Does and Hertog (*Rec. Trav. Chim. Pays-Bas* **1965**, 84, 951) followed by palladium-catalyzed boronic acid coupling provides the desired substituted pyridine.

10

Scheme 5

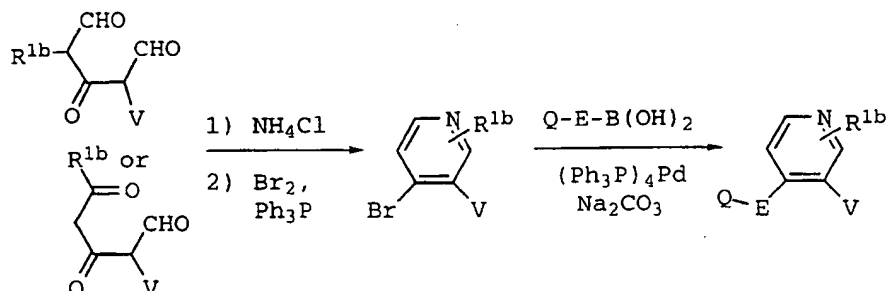


Scheme 6 describes a synthesis of a third substitution pattern on a pyridine ring. The appropriate tricarbonyl compound which can be prepared by methods described in Scheme

20

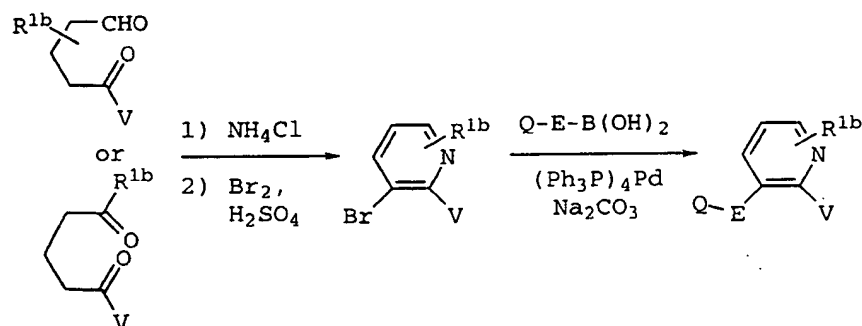
4 is treated with ammonium chloride to form the pyridinol which is subsequently brominated. Palladium-catalyzed coupling provides the desired substituted pyridine.

5

Scheme 6

Scheme 7 takes a suitably substituted dicarbonyl compound and by chemistry illustrated in Schemes 4 and 6, reacts it with ammonium chloride. Bromination gives the 3-bromopyridine which upon palladium-catalyzed coupling provides the desired substituted pyridine.

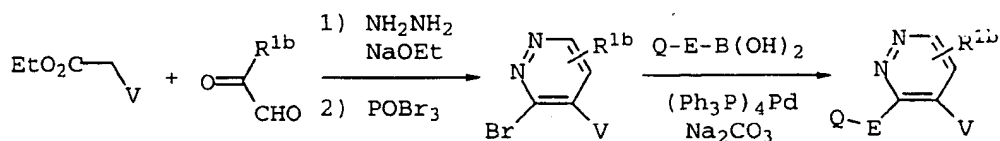
15

Scheme 7

Schemes 8, 9, and 10 describe the synthesis of compounds wherein M is pyridazine and Q is a protected precursor of group D of Formula I. Each scheme represents a different substitution pattern for the pyridine ring. In Scheme 8 an activated ester is reacted with an appropriately substituted α -keto aldehyde and hydrazine as shown by Schmidt and Druey (*Helv. Chim. Acta* **1954**, 37, 134 and 1467). Conversion of the pyridazinone to the bromide using POBr₃ and palladium-

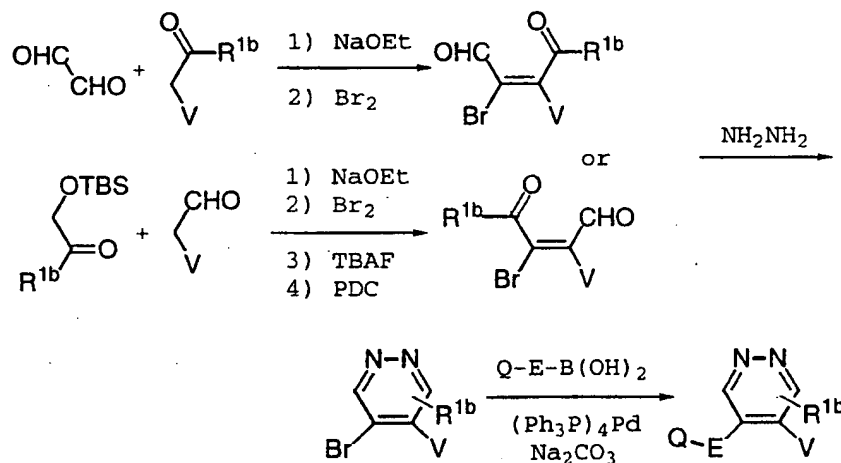
catalyzed coupling provides the desired substituted pyridazine.

Scheme 8



In Scheme 9, glyoxal can react under basic conditions with an activated ketone and subsequently brominated/dehydrobrominated to give the desired ketoaldehyde. Alternatively, a protected ketone can react with an activated aldehyde, undergo bromination/dehydrobromination, be deprotected and oxidized to give the regioisomeric ketoaldehyde. Cyclization as shown by Sprio and Madonia (*Ann. Chim.* **1958**, 48, 1316) with hydrazine followed by palladium-catalyzed coupling provides the desired substituted pyridazine.

Scheme 9

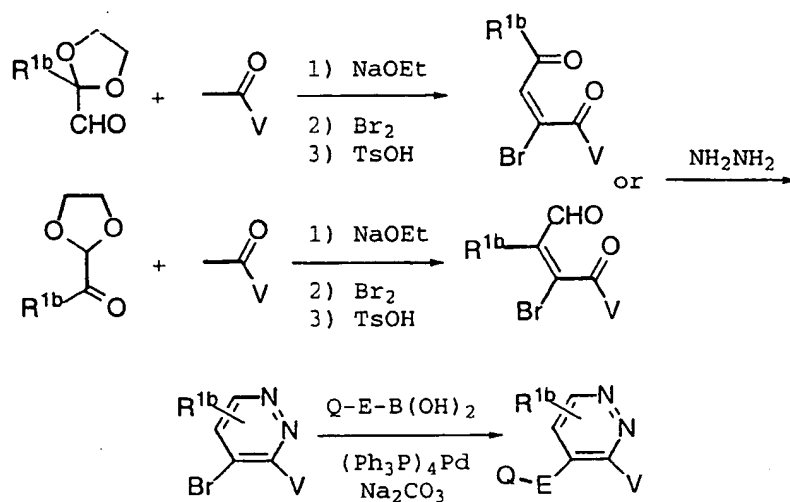


By analogy to Scheme 9, in Scheme 10 a aldehyde can be reacted with an activated ketone, brominated, dehydrobrominated and deprotected to give the desired diketone. Alternatively, a regioisomeric ketone can be placed through the same reaction sequence to produce an isomeric keto aldehyde. Reaction with hydrazine followed by palladium-

catalyzed coupling provides the desired substituted pyridazine.

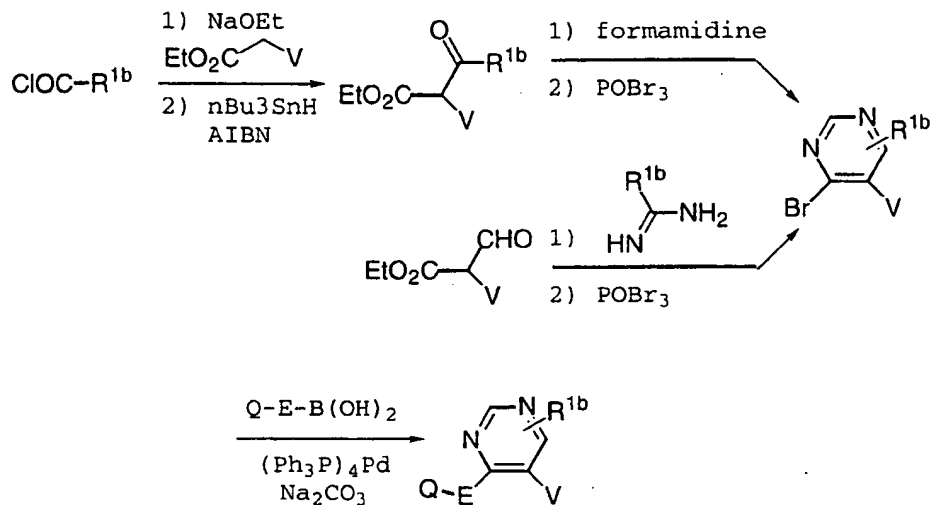
Scheme 10

5



Schemes 11, and 12 describe the synthesis of compounds wherein M is pyrimidine and Q is a protected precursor of group D of Formula I. Each scheme represents a different substitution pattern for the pyrimidine ring. In Scheme 11, a condensation with an appropriately substituted acid chloride and an activated ester followed by conjugate reduction by tin hydride (Moriya et al. *J. Org. Chem.* **1986**, 51, 4708) gives the desired 1,4 dicarbonyl compound. Cyclization with formamidine or a substituted amidine followed by bromination gives the desired regioisomeric pyrimidine. Palladium-catalyzed coupling provides the desired substituted pyrimidine.

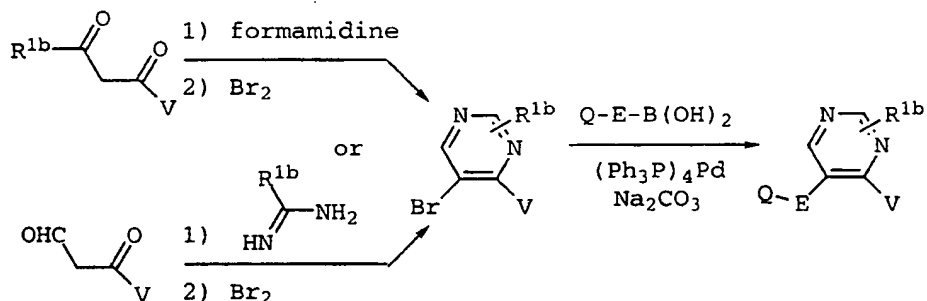
Scheme 11



5 Using similar chemistry, Scheme 12 shows how an amidine can be condensed with a 1,3-dicarbonyl compound and subsequently brominated in the 5-position (*J. Het. Chem.* **1973**, 10, 153) to give a specific regioisomeric bromopyrimidine. Palladium-catalyzed coupling provides the desired substituted

10 pyrimidine.

Scheme 12

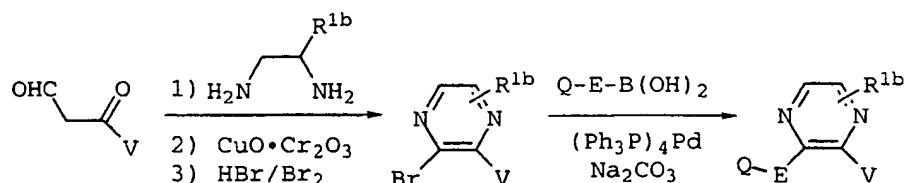


15 Using the same ketoaldehyde from Scheme 12, cyclization with an appropriately substituted 1,2-diamine (*Chimia* **1967**, 21, 510) followed by aromatization (*Helv. Chim. Acta* **1967**, 50, 1754) provides a regioisomeric mixture of pyrazines as

20 illustrated in Scheme 13. Bromination of the hydrobromide salt (U.S. Patent No. 2,403,710) yields the intermediate for

the palladium-catalyzed coupling step which occurs as shown above.

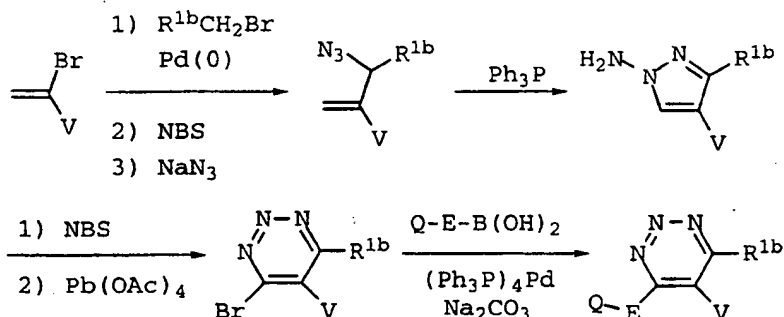
Scheme 13



Schemes 14 and 15 describe the synthesis of compounds wherein M is a 1,2,3-triazine and Q is a protected precursor of group D of Formula I. In Scheme 14, a vinyl bromide is palladium coupled to a molecule containing the substituent R^{1b}. Allylic bromination followed by azide displacement provide the cyclization precursor. Triphenylphosphine-mediated cyclization (*J. Org. Chem.* **1990**, 55, 4724) give the 1-aminopyrazole which is subsequently brominated with N-bromosuccinimide. Lead tetraacetate mediated rearrangement as shown by Neunhoeffer et al. (*Ann.* **1985**, 1732) provides the desired regioisomeric 1,2,3-triazine. Palladium-catalyzed coupling provides the substituted triazine.

20

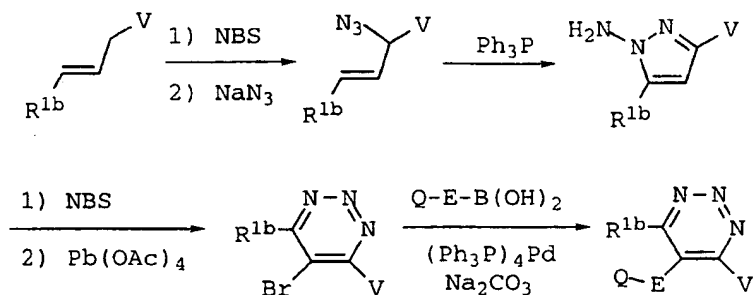
Scheme 14



25 In Scheme 15, an alkene is allylically brominated and the bromide is displaced to give a regioisomer of the azide in Scheme 14. Following the same reaction sequence as shown above, cyclization provides the 1-aminopyrazole. Bromination followed by lead tetraacetate mediated rearrangement give the

1,2,3-triazine. Palladium-catalyzed coupling provides the other desired triazine.

Scheme 15

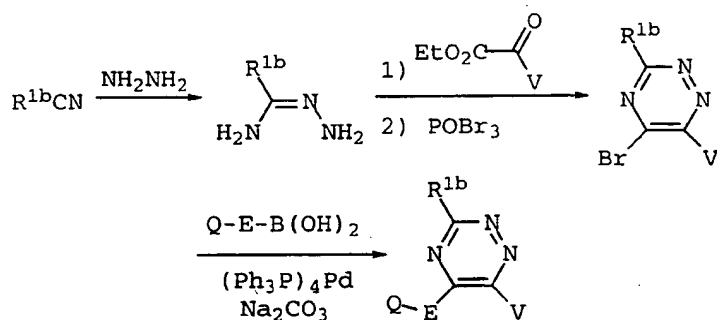


5

Schemes 16 and 17 describe the synthesis of compounds wherein M is a 1,2,4-triazine and Q is a protected precursor of group D of Formula I. In Scheme 16, a nitrile is converted using hydrazine to give the amidrazone which is condensed with a α -ketoester to give the triazinone as shown by Paudler and Lee (*J. Org. Chem.* **1971**, 36, 3921). Bromination as shown by Rykowski and van der Plas (*J. Org. Chem.* **1987**, 52, 71) followed by palladium-catalyzed coupling provides the desired 1,2,4-triazine.

15

Scheme 16



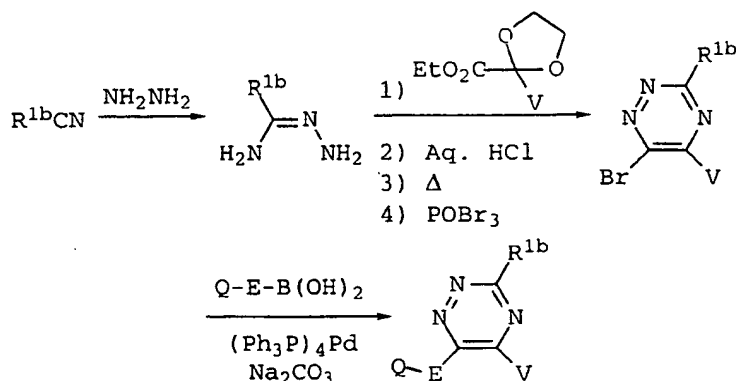
20

In Scheme 16, to achieve the opposite regioisomer the reaction scheme shown above is modified by substituting a protected α -ketoester. This allows the most nucleophilic nitrogen to attack the ester functionality setting up the opposite regiochemistry. Deprotection and thermal cyclization gives the triazinone which is brominated as shown above.

25

Palladium-catalyzed coupling provides the other desired 1,2,4-triazine.

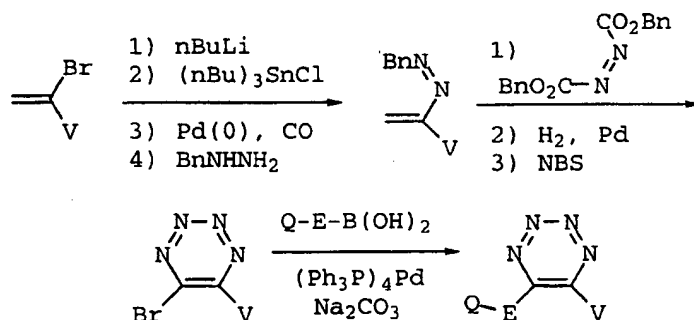
Scheme 17



5

Scheme 18 describes the synthesis of compounds wherein M is a 1,2,3,4-tetrazine and Q is a protected precursor of group D of Formula I. Lithiation of a vinyl bromide, transmetallation with tin, palladium catalyzed carbonylation and hydrazone formation provides a diene for a subsequent Diels-Alder reaction as shown by Carboni and Lindsey (*J. Am. Chem. Soc.* **1959**, *81*, 4342). Reaction with dibenzyl azodicarboxylate followed by catalytic hydrogenation to debenzylate and decarboxylate should give after bromination the desired 1,2,3,4-tetrazine. Palladium-catalyzed coupling provides the desired substitution.

Scheme 18



20

Other features of the invention will become apparent in the course of the following descriptions of exemplary

embodiments which are given for illustration for the invention and are not intended to be limiting thereof.

EXAMPLES

5

Example 1

N-(2'-Aminosulfonyl-[1,1']biphen-4-yl)-2-(3'-amidinophenyl)nicotinamide, trifluoroacetic acid salt

Part A. Preparation of 2-bromonicotinic acid.

10

Potassium permanganate (18.4 g, 116 mmol) was dissolved in water (400 mL) and added to 2-bromo-3-methylpyridine (10.0 g, 58 mmol) and refluxed for 16 hours. After cooling to room temperature, the slurry was filtered through a celite plug and
15 rinsed with water and chloroform. The entire filtrate was transferred to a separatory funnel and the layers were separated. The aqueous layer was extracted again with CHCl_3 and acidified with 6N HCl to pH 1. A white solid was obtained on standing (2.08 g of product). The pH of the remaining
20 aqueous was adjusted to pH 4 with 2M NaOH and 2M HCl, then concentrated to <100mL. A white precipitate was filtered. The pH was adjusted to 4 and the mixture filtered again, combining the isolated solids for a total of 3.88 g of product. The filtrate was concentrated again to <100mL and
25 adjusted to pH 1.5 and an additional quantity of white solid was obtained (1.80 g), for a combined yield of 3 crops, (8.76 g, 66%). ^1H NMR ($\text{DMSO}-d_6$): δ 13.76 (bs, 1H), 8.46 (m, 1H), 8.09 (dd, 1H, $J = 7.7$, $J' = 2.2$), 7.51 (m, 1H).

30 Part B. Preparation of methyl 2-bromonicotinate.

2-Bromonicotinic acid (7.33 g, 36 mmol) was suspended in dry Et_2O (40 mL), and MeOH (2.3 mL) and diethyl azodicarboxylate (5.8 mL, 37 mmol) were added.
35 Triphenylphosphine (9.61 g in 40mL Et_2O , 37 mmol) was added dropwise over 2.5 hours. After stirring an additional two hours, the reaction was filtered and evaporated. The resulting clear liquid was chromatographed on silica gel (10-

40% EtOAc/hexanes) to yield a clear oil (8.63 g, 100%). ^1H NMR (CDCl_3): δ 8.49 (dd, 1H, $J = 4.8$, $J' = 2.2$), 8.09 (dd, 1H, $J = 7.7$, $J' = 1.8$), 7.36 (m, 1H), 3.97 (s, 3H).

5 Part C. Preparation of 3-cyanophenylboronic acid.

3-Bromobenzonitrile (10.0 g, 55 mmol) was dissolved in dry THF (100 mL) and cooled to -100°C ($\text{Et}_2\text{O}/\text{N}_2$). n -Butyllithium (24.2 mL, 2.5 M in hexane) was added over 30
10 minutes, maintaining the internal temp under -90° . After 20 minutes, triisopropylborate (18.0 mL) was added over 15 minutes, again maintaining the internal temperature. After the addition was complete, the reaction was allowed to warm slowly to room temperature over 1.5 hours. The reaction was
15 stirred at room temp for 16 hours, then cooled to 15°C , after which 6 M HCl (25 mL) was added. After stirring vigorously for 3.5 hours, the reaction was partitioned between water and EtOAc. After extracting a second time with EtOAc, the combined organics were washed with 2 M NaOH. The aqueous
20 extract was neutralized with 6 M HCl. The white precipitate was filtered, yielding the desired product (4.80 g, 60%). ^1H NMR ($\text{DMSO}-d_6$): δ 8.37 (s, 2H), 8.10 (s, 1H), 8.03 (dt, 1H, $J = 7.3$, $J' = 1.1$), 7.83 (dt, 1H, $J = 7.6$, $J' = 1.4$), 7.53 (t, 1H, $J = 7.7$).

25

Part D. Preparation of methyl 2-(3'-cyanophenyl)nicotinate.

Methyl 2-bromonicotinate (2.0 g, 9.3 mmol) and 3-cyanophenylboronic acid (2.7 g, 18.4 mmol) were combined in
30 190 mL benzene. Sodium carbonate (19 mL of a 2 M aqueous solution), tetrabutylammonium bromide (152 mg, 0.5 mmol), and bis(triphenylphosphine)palladium(II) chloride (325 mg, 0.5 mmol) were added. The entire mixture was evacuated to remove dissolved gasses, then placed under argon. The reaction was
35 refluxed for 14 hours, diluted with water and EtOAc, separated, dried over Na_2SO_4 , filtered, and evaporated. The resulting yellow solid was chromatographed on silica gel (30% EtOAc/hexanes) to yield a light yellow solid (1.70 g, 77%).

^1H NMR (CDCl_3): δ 8.81 (dd, 1H, $J = 4.8$, $J' = 1.8$), 8.23 (dd, 1H, $J = 8.0$, $J' = 1.9$), 7.85 (s, 1H), 7.73 (m, 2H), 7.55 (t, 1H, $J = 7.7$), 7.43 (m, 1H), 3.76 (s, 3H).

5 Part E. Preparation of 2-(*t*-butylaminosulfonyl)phenylboronic acid.

To a solution of 206.5 g (0.968 mol) of benzene-(*N*-*t*-butyl)sulfonamide in 2500 mL of THF under N_2 was added 790 mL
10 (1.98 mol) of 2.5M *n*-butyllithium in hexane over 35 minutes, keeping the temperature between 0-5°C. The reaction mixture was allowed to warm to 10°C, at which time a thick precipitate formed. Triisopropylborate (305 mL, 1.32 mol) was added keeping the temperature below 35°C. After 1 hour, the
15 reaction mixture was cooled, 1N HCl (1570 mL) was added, and the mixture was stirred overnight. The mixture was extracted with 400 mL of ether three times, and the combined organic extracts were extracted with 500 mL of 1N NaOH three times. The aqueous extracts were acidified to pH 1 with 6N HCl, and
20 then extracted with 500 mL ether three times. The combined ether extracts were dried over MgSO_4 , and the solvents evaporated in vacuo until the volume was 700 mL. Hexane (150 mL) was added and overnight, a white precipitate formed. The solid was collected and washed with 10% ether/hexane (250 mL),
25 then dried in vacuo to give 216.3 g (87%) of the desired compound as white crystals. m.p. 118-119°C; ^1H NMR (CDCl_3): δ 8.00 (d, 1H); 7.82 (d, 1H); 7.53 (m, 2H); 6.29 (br s, 2H); 5.13 (s, 1H); 1.18 (s, 9H).

30 Part F. Preparation of 4-amino-2'-*t*-butylaminosulfonyl-[1,1']biphenyl.

A mixture of 3.44 g (20 mmol) of 4-bromoaniline and 5.14 g (20 mmol) of 2-(*t*-butylaminosulfonyl)phenylboronic acid,
35 1.16 g of tetrakis(triphenylphosphine) palladium(0) (1 mmol), 0.32 g of tetrabutylammonium bromide (1 mmol) and 20 mL of 2M aqueous sodium carbonate were refluxed with 180 mL of benzene under N_2 for 5.5 hours. After cooling, the mixture was

diluted with methylene chloride and water. The two phases were separated and the organic phase was washed with water, dried with MgSO_4 and concentrated in vacuo. The resulting thick oil was chromatographed on silica with 30% EtOAc/hexane to afford 2.52 g (41%) of the aniline. ^1H NMR (CDCl_3): δ 8.14 (d, 1H); 7.53 (t, 1H); 7.43 (t, 1H); 7.33 (d, 2H); 7.27 (d, 1H); 6.76 (d, 2H); 3.7 (br s, 1H); 0.99 (s, 9H).

Part G. Preparation of N-(2'-t-butylaminosulfonyl-[1,1']biphen-4-yl)-2-(3'-cyanophenyl)nicotinamide.

Methyl 2-(3'-cyanophenyl)nicotinate (300 mg, 1.3 mmol) was combined with of 4-amino-2'-t-butylaminosulfonyl-[1,1']biphenyl (383 mg, 1.3 mmol) in 12 mL dry CH_2Cl_2 . A solution of trimethylaluminum (3.8 mL, 2.0 M in heptane) was added, and an exothermic reaction immediately occurred and the mixture darkened. The resulting solution was stirred at room temperature under argon for 3 days and then quenched carefully with a few drops of 1 M HCl. An emulsion was obtained on dilution with EtOAc and water. The layers were separated, and the organic was extracted again with water and brine, dried over Na_2SO_4 , filtered, and evaporated. A small amount of additional material was obtained from the aqueous extract by adjusting the pH to 8 with sat. NaHCO_3 and extracting with EtOAc. This material was dried over Na_2SO_4 , filtered, evaporated, and combined with the previous extract for chromatography on silica gel (50-60% EtOAc/hexanes) to yield the desired product (190 mg, 30%). ^1H NMR (CDCl_3): δ 8.86 (dd, 1H, $J = 4.7$, $J' = 1.9$), 8.14 (m, 3H), 8.00 (d, 1H, $J = 7.7$), 7.73 (d, 1H, $J = 8.1$), 7.50 (m, 9H), 7.29 (dd, 1H, $J = 7.4$, $J' = 1.1$), 3.60 (s, 1H), 1.02 (s, 9H).

Part H. Preparation of N-(2'-aminosulfonyl-[1,1']biphen-4-yl)-2-(3'-amidinophenyl)nicotinamide, trifluoroacetic acid salt.

N-(2'-t-butylaminosulfonyl-[1,1']biphen-4-yl)-2-(3'-cyanophenyl)nicotinamide (190 mg, 0.37 mmol) was dissolved in

dry MeOH (10 mL) and cooled to 0°C. HCl(g) was generated by the addition of concentrated H₂SO₄ (60 mL) to NaCl (240 g) over 40 minutes and was bubbled into the reaction mixture. The gas was permitted to continue bubbling through the reaction for 3 hours after the H₂SO₄ addition was complete. At this point, the HCl generator and ice bath were removed, and the reaction stirred under argon for 19 hours. This solution was then evaporated, placed under high vacuum, and redissolved in dry MeOH (10 mL). Ammonium carbonate (200 mg) was added, stirred for 24 hours under argon, and evaporated. The product was purified by preparative HPLC on a C-18 reverse phase column (10-70% MeCN/H₂O/0.05% TFA), yielding a white powder (140 mg, 54%). ¹H NMR (DMSO-d₆): δ 10.65 (s, 1H), 9.38 (s, 2H), 8.92 (s, 2H), 8.81 (dd, 1H, J = 4.4, J' = 1.4), 8.10 (m, 2H), 7.97 (m, 2H), 7.76 (m, 1H), 7.67 (t, 1H, J = 8.0), 7.57 (m, 5H), 7.29 (m, 5H). HRMS calc. for C₂₅H₂₂N₅O₃S: m/z 472.1443; found, 472.1457.

Examples 2, 3 and 4

N-[5-(2-aminosulfonyl)phenylpyrid-2-yl]-2-(3'-amidinophenyl)nicotinamide, trifluoroacetic acid salt (Example 2), N-[5-(2-t-butylaminosulfonyl)phenylpyrid-2-yl]-2-(3'-amidinophenyl)nicotinamide, trifluoroacetic acid salt (Example 3), and N-[5-(2-aminosulfonyl)phenylpyrid-2-yl]-2-(3'-carboxamidophenyl)nicotinamide, trifluoroacetic acid salt (Example 4)

Part A. Preparation of 2-(3'-cyanophenyl)nicotinic acid.

Methyl 2-(3'-cyanophenyl)nicotinate (1.21 g, 5.1 mmol) was partially dissolved in MeOH (40 mL), and lithium hydroxide monohydrate (234 mg dissolved in 6 mL H₂O, 5.6 mmol) was added. After 20 hours, the resulting solution was diluted with water and extracted with CHCl₃. The aqueous was acidified to pH 4 with 1 M HCl and extracted several times with CHCl₃. Solid sodium chloride was added to the aqueous solution and the solution was extracted with 5-10% MeOH/CHCl₃. The organic extracts were combined, dried over Na₂SO₄,

filtered, and evaporated to yield a white solid (1.06 g, 93%).
¹H NMR (CDCl₃): δ 8.85 (dd, 1H, J = 5.1, J' = 1.5), 8.35 (dd,
1H, J = 7.6, J' = 1.4), 7.84 (s, 1H), 7.75 (m, 2H), 7.55 (t,
1H, J = 7.7), 7.47 (m, 1H).

5

Part B. Preparation of 2-amino-5-(2-t-butylamino-sulfonyl)phenylpyridine.

A mixture of 1.55 g (9.0 mmol) of 2-amino-5-bromopyridine
10 and 2.3 g (9.0 mmol) of 2-(t-butylaminosulfonyl)phenylboronic
acid, 0.52 g of tetrakis(triphenylphosphine) palladium(0)
(0.45 mmol), 0.15 g of tetrabutylammonium bromide (0.45 mmol)
and 9 mL of 2M aqueous sodium carbonate were refluxed with 80
mL of benzene under Ar for 5 hours. After cooling, the
15 mixture was diluted with 25 mL of methylene chloride and 25 mL
of water. The two phases were separated and the organic phase
was washed with water, dried with MgSO₄ and concentrated in
vacuo. The resulting thick oil was chromatographed on silica
with 50% EtOAc/hexane to afford 1.34 g (49%) of the aniline.
20 ¹H NMR (CDCl₃): δ 8.18 (d, 1H); 8.07 (m, 1H); 7.70 (dd, 1H);
7.58 (dt, 1H); 7.48 (dt, 1H); 7.28 (d, 1H); 6.56 (d, 1H); 4.62
(br s, 2H); 3.88 (br s, 1H); 1.06 (s, 9H).

Part C. Preparation of N-[5-(2-t-
25 butylaminosulfonyl)phenylpyrid-2-yl]-2-(3'-
cyanophenyl)nicotinamide.

2-(3'-cyanophenyl)nicotinic acid (300 mg, 1.3 mmol) was
suspended in 5 mL dry CH₂Cl₂, and oxalyl chloride (175 μl, 2.0
30 mmol) was added, followed by 2 drops of dry DMF. The reaction
stirred at room temperature under argon for 2 hours and then
evaporated. This solid was redissolved in 8 mL dry CH₂Cl₂,
and dimethylaminopyridine (490 mg, 4.0 mmol) was added,
followed by 2-amino-5-(2-t-butylaminosulfonyl)phenylpyridine
35 (410 mg, 1.3 mmol). The reaction was stirred 3 days at room
temperature, diluted with CH₂Cl₂, extracted with saturated
NaHCO₃, dried over Na₂SO₄, filtered, and evaporated. The
resulting material was chromatographed on silica gel (50-75%

EtOAc / hexanes) to yield the desired product (423 mg, 62%).
¹H NMR (CDCl₃): δ 8.83 (dd, 1H, J = 4.8, J' = 1.5), 8.40 (bs,
1H), 8.29 (bd, 1H, J = 8.4), 8.17 (dd, 1H), J = 8.0, J' =
1.1), 8.09 (m, 3H), 7.97 (d, 1H, J = 7.7), 7.79 (d, 1H, J =
5 8.4), 7.69 (d, 1H, J = 7.7), 7.54 (m, 4H), 7.25 (m, 1H), 4.19
(bs, 1H), 1.08 (s, 9H).

Part D. Preparation of N-[5-(2-aminosulfonyl)phenylpyrid-2-yl]-2-(3'-amidinophenyl)nicotinamide, trifluoroacetic acid
10 salt (Example 2), N-[5-(2-t-butylaminosulfonyl)phenylpyrid-2-yl]-2-(3'-amidinophenyl)nicotinamide, trifluoroacetic acid
salt (Example 3), and N-[5-(2-aminosulfonyl)phenylpyrid-2-yl]-
2-(3'-carboxamidophenyl)nicotinamide, trifluoroacetic acid
salt (Example 4).

15 N-[5-(2-t-butylaminosulfonyl)phenylpyrid-2-yl]-2-(3'-
cyanophenyl)nicotinamide (410 mg, 1.03) was dissolved in a
mixture of dry MeOH (5mL) and dry CHCl₃ (15mL) and cooled to
0°C. HCl(g) was generated by the addition of concentrated
20 H₂SO₄ (45 mL) to NaCl (220 g) over 55 min and was bubbled into
the reaction mixture. The HCl generator and ice bath were
removed, and the reaction was stirred under argon for 16 hours
and evaporated. The resulting solid was redissolved in dry
MeOH (15 mL), and ammonium carbonate (385 mg) was added. The
25 reaction was stirred 19 hours at room temperature under argon
and evaporated. The resulting solid was purified by
preparative HPLC on a C-18 reverse phase column (5-70% MeCN /
H₂O / 0.05% TFA) to yield N-[5-(2-aminosulfonyl)phenylpyrid-2-yl]-2-(3'-amidinophenyl)nicotinamide, trifluoroacetic acid
30 salt (Example 2), (250 mg, 45%). ¹H NMR (DMSO-d₆): δ 11.27
(s, 1H), 9.43 (s, 2H), 8.98 (s, 2H), 8.83 (dd, 1H, J = 4.8, J' =
1.9), 8.32 (s, 1H), 8.13 (m, 2H), 8.05 (m, 2H), 7.96 (d, 1H,
J = 7.3), 7.81 (d, 2H, J = 8.4), 7.65 (m, 4H), 7.47 (s, 2H),
7.37 (m, 1H). HRMS calc. for C₂₄H₂₁N₆O₃S: m/z 473.1396; found,
35 473.1397. A second product, N-[5-(2-t-butylaminosulfonyl)-
phenylpyrid-2-yl]-2-(3'-amidinophenyl)nicotinamide,
trifluoroacetic acid salt (Example 3), was also obtained (58
mg, 10%). ¹H NMR (DMSO-d₆): δ 9.7 (s, 1H), 9.41 (s, 2H), 8.95

(s, 2H), 8.82 (m, 1H), 8.28 (s, 1H), 8.09 (m, 4H), 7.95 (d, 1H, J = 7.7), 7.79 (m, 2H), 7.63 (m, 4H), 7.34 (d, 1H, J = 7.7), 7.18 (s, 1H), 1.04 (s, 9H). HRMS calc. for $C_{28}H_{29}N_6O_3S$: 529.2022; found, 529.2050. A third product, N-[5-(2-

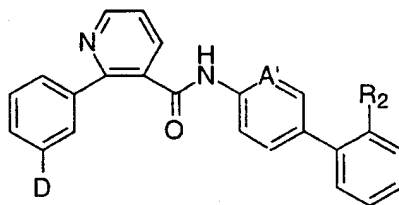
5 aminosulfonyl)phenylpyrid-2-yl]-2-(3'-

carboxamidophenyl)nicotinamide, trifluoroacetic acid salt

(Example 4) was isolated and chromatographed on silica gel (10-20% MeOH/ $CHCl_3$) to yield a white solid (77 mg, 20%). 1H NMR ($DMSO-d_6$): δ 11.13 (s, 1H), 8.75 (dd, 1H, J = 4.8, J' =

10 1.9), 8.26 (m, 2H), 8.02 (m, 4H), 7.84 (d, 1H, J = 7.7), 7.74 (m, 2H), 7.59 (m, 2H), 7.47 (m, 2H), 7.36 (m, 4H).

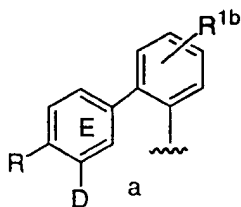
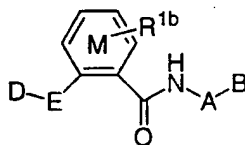
Table 1



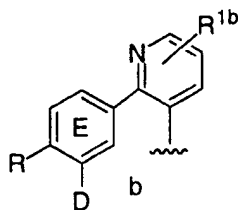
Ex	D	R ₂	A'	MS (M+H) ⁺
1	C(=NH)NH ₂	SO ₂ NH ₂	CH	472.1
2	C(=NH)NH ₂	SO ₂ NH ₂	N	473.1
3	C(=NH)NH ₂	SO ₂ NHtBu	N	529.2
4	C(O)NH ₂	SO ₂ NH ₂	N	474.1

The following table contains representative examples of the present invention. Each entry in the table is intended to be paired with each formulae at the start of the table. For example, example 1 in Table 2 is intended to be paired with each of formulae a₁-ss₄.

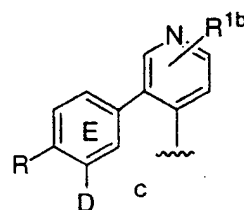
Table 2



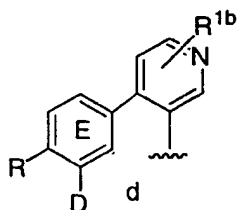
- a₁ R=F, D=NH₂
- a₂ R=H, D=NH₂
- a₃ R=F, D=CH₂NH₂
- a₄ R=H, D=CH₂NH₂
- a₅ R=F, D=C(=NH)NH₂
- a₆ R=H, D=C(=NH)NH₂
- a₇ R=F, D=C(O)NH₂
- a₈ R=H, D=C(O)NH₂



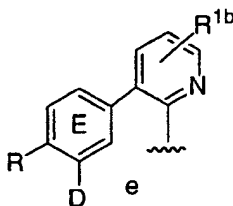
- b₁ R=F, D=NH₂
- b₂ R=H, D=NH₂
- b₃ R=F, D=CH₂NH₂
- b₄ R=H, D=CH₂NH₂
- b₅ R=F, D=C(=NH)NH₂
- b₆ R=H, D=C(=NH)NH₂
- b₇ R=F, D=C(O)NH₂
- b₈ R=H, D=C(O)NH₂



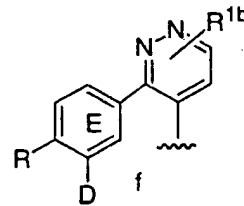
- c₁ R=F, D=NH₂
- c₂ R=H, D=NH₂
- c₃ R=F, D=CH₂NH₂
- c₄ R=H, D=CH₂NH₂
- c₅ R=F, D=C(=NH)NH₂
- c₆ R=H, D=C(=NH)NH₂
- c₇ R=F, D=C(O)NH₂
- c₈ R=H, D=C(O)NH₂



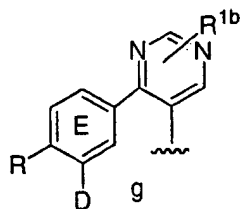
- d₁ R=F, D=NH₂
- d₂ R=H, D=NH₂
- d₃ R=F, D=CH₂NH₂
- d₄ R=H, D=CH₂NH₂
- d₅ R=F, D=C(=NH)NH₂
- d₆ R=H, D=C(=NH)NH₂
- d₇ R=F, D=C(O)NH₂
- d₈ R=H, D=C(O)NH₂



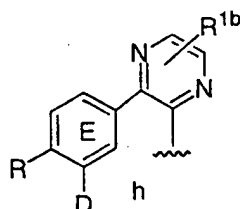
- e₁ R=F, D=NH₂
- e₂ R=H, D=NH₂
- e₃ R=F, D=CH₂NH₂
- e₄ R=H, D=CH₂NH₂
- e₅ R=F, D=C(=NH)NH₂
- e₆ R=H, D=C(=NH)NH₂
- e₇ R=F, D=C(O)NH₂
- e₈ R=H, D=C(O)NH₂



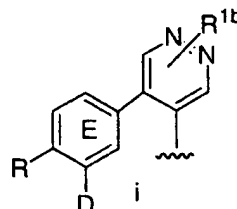
- f₁ R=F, D=NH₂
- f₂ R=H, D=NH₂
- f₃ R=F, D=CH₂NH₂
- f₄ R=H, D=CH₂NH₂
- f₅ R=F, D=C(=NH)NH₂
- f₆ R=H, D=C(=NH)NH₂
- f₇ R=F, D=C(O)NH₂
- f₈ R=H, D=C(O)NH₂



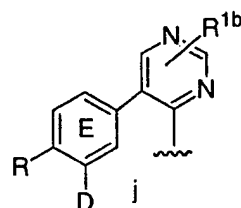
- g₁ R=F, D=NH₂
 g₂ R=H, D=NH₂
 g₃ R=F, D=CH₂NH₂
 g₄ R=H, D=CH₂NH₂
 g₅ R=F, D=C(=NH)NH₂
 g₆ R=H, D=C(=NH)NH₂
 g₇ R=F, D=C(O)NH₂
 g₈ R=H, D=C(O)NH₂



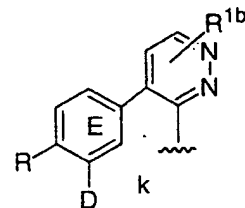
- h₁ R=F, D=NH₂
 h₂ R=H, D=NH₂
 h₃ R=F, D=CH₂NH₂
 h₄ R=H, D=CH₂NH₂
 h₅ R=F, D=C(=NH)NH₂
 h₆ R=H, D=C(=NH)NH₂
 h₇ R=F, D=C(O)NH₂
 h₈ R=H, D=C(O)NH₂



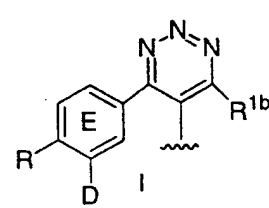
- i₁ R=F, D=NH₂
 i₂ R=H, D=NH₂
 i₃ R=F, D=CH₂NH₂
 i₄ R=H, D=CH₂NH₂
 i₅ R=F, D=C(=NH)NH₂
 i₆ R=H, D=C(=NH)NH₂
 i₇ R=F, D=C(O)NH₂
 i₈ R=H, D=C(O)NH₂



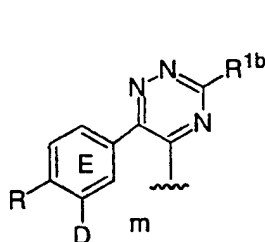
- j₁ R=F, D=NH₂
 j₂ R=H, D=NH₂
 j₃ R=F, D=CH₂NH₂
 j₄ R=H, D=CH₂NH₂
 j₅ R=F, D=C(=NH)NH₂
 j₆ R=H, D=C(=NH)NH₂
 j₇ R=F, D=C(O)NH₂
 j₈ R=H, D=C(O)NH₂



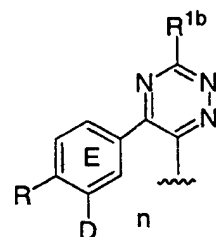
- k₁ R=F, D=NH₂
 k₂ R=H, D=NH₂
 k₃ R=F, D=CH₂NH₂
 k₄ R=H, D=CH₂NH₂
 k₅ R=F, D=C(=NH)NH₂
 k₆ R=H, D=C(=NH)NH₂
 k₇ R=F, D=C(O)NH₂
 k₈ R=H, D=C(O)NH₂



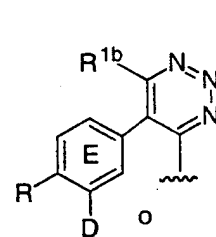
- l₁ R=F, D=NH₂
 l₂ R=H, D=NH₂
 l₃ R=F, D=CH₂NH₂
 l₄ R=H, D=CH₂NH₂
 l₅ R=F, D=C(=NH)NH₂
 l₆ R=H, D=C(=NH)NH₂
 l₇ R=F, D=C(O)NH₂
 l₈ R=H, D=C(O)NH₂



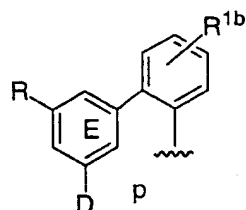
- m₁ R=F, D=NH₂
 m₂ R=H, D=NH₂
 m₃ R=F, D=CH₂NH₂
 m₄ R=H, D=CH₂NH₂
 m₅ R=F, D=C(=NH)NH₂
 m₆ R=H, D=C(=NH)NH₂
 m₇ R=F, D=C(O)NH₂
 m₈ R=H, D=C(O)NH₂



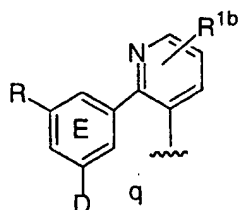
- n₁ R=F, D=NH₂
 n₂ R=H, D=NH₂
 n₃ R=F, D=CH₂NH₂
 n₄ R=H, D=CH₂NH₂
 n₅ R=F, D=C(=NH)NH₂
 n₆ R=H, D=C(=NH)NH₂
 n₇ R=F, D=C(O)NH₂
 n₈ R=H, D=C(O)NH₂



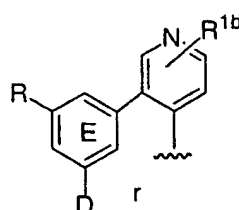
- o₁ R=F, D=NH₂
 o₂ R=H, D=NH₂
 o₃ R=F, D=CH₂NH₂
 o₄ R=H, D=CH₂NH₂
 o₅ R=F, D=C(=NH)NH₂
 o₆ R=H, D=C(=NH)NH₂
 o₇ R=F, D=C(O)NH₂
 o₈ R=H, D=C(O)NH₂



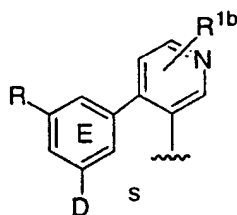
- p₁ R=F, D=NH₂
 p₂ R=Cl, D=NH₂
 p₃ R=OMe, D=NH₂
 p₄ R=F, D=CH₂NH₂
 p₅ R=Cl, D=CH₂NH₂
 p₆ R=OMe, D=CH₂NH₂
 p₇ R=F, D=C(=NH)NH₂
 p₈ R=Cl, D=C(=NH)NH₂
 p₉ R=OMe, D=C(=NH)NH₂
 p₁₀ R=F, D=C(O)NH₂
 p₁₁ R=Cl, D=C(O)NH₂
 p₁₂ R=OMe, D=C(O)NH₂



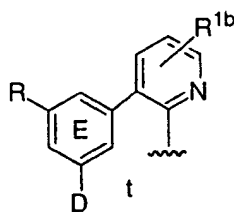
- q₁ R=F, D=NH₂
 q₂ R=Cl, D=NH₂
 q₃ R=OMe, D=NH₂
 q₄ R=F, D=CH₂NH₂
 q₅ R=Cl, D=CH₂NH₂
 q₆ R=OMe, D=CH₂NH₂
 q₇ R=F, D=C(=NH)NH₂
 q₈ R=Cl, D=C(=NH)NH₂
 q₉ R=OMe, D=C(=NH)NH₂
 q₁₀ R=F, D=C(O)NH₂
 q₁₁ R=Cl, D=C(O)NH₂
 q₁₂ R=OMe, D=C(O)NH₂



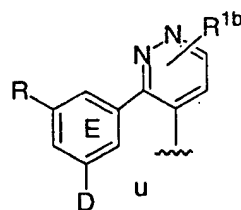
- r₁ R=F, D=NH₂
 r₂ R=Cl, D=NH₂
 r₃ R=OMe, D=NH₂
 r₄ R=F, D=CH₂NH₂
 r₅ R=Cl, D=CH₂NH₂
 r₆ R=OMe, D=CH₂NH₂
 r₇ R=F, D=C(=NH)NH₂
 r₈ R=Cl, D=C(=NH)NH₂
 r₉ R=OMe, D=C(=NH)NH₂
 r₁₀ R=F, D=C(O)NH₂
 r₁₁ R=Cl, D=C(O)NH₂
 r₁₂ R=OMe, D=C(O)NH₂



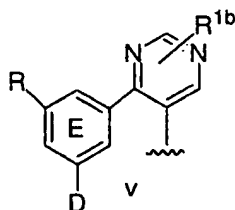
- s₁ R=F, D=NH₂
 s₂ R=Cl, D=NH₂
 s₃ R=OMe, D=NH₂
 s₄ R=F, D=CH₂NH₂
 s₅ R=Cl, D=CH₂NH₂
 s₆ R=OMe, D=CH₂NH₂
 s₇ R=F, D=C(=NH)NH₂
 s₈ R=Cl, D=C(=NH)NH₂
 s₉ R=OMe, D=C(=NH)NH₂
 s₁₀ R=F, D=C(O)NH₂
 s₁₁ R=Cl, D=C(O)NH₂
 s₁₂ R=OMe, D=C(O)NH₂



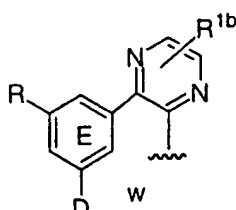
- t₁ R=F, D=NH₂
 t₂ R=Cl, D=NH₂
 t₃ R=OMe, D=NH₂
 t₄ R=F, D=CH₂NH₂
 t₅ R=Cl, D=CH₂NH₂
 t₆ R=OMe, D=CH₂NH₂
 t₇ R=F, D=C(=NH)NH₂
 t₈ R=Cl, D=C(=NH)NH₂
 t₉ R=OMe, D=C(=NH)NH₂
 t₁₀ R=F, D=C(O)NH₂
 t₁₁ R=Cl, D=C(O)NH₂
 t₁₂ R=OMe, D=C(O)NH₂



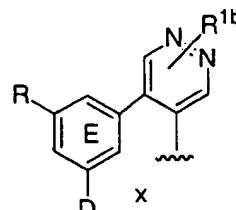
- u₁ R=F, D=NH₂
 u₂ R=Cl, D=NH₂
 u₃ R=OMe, D=NH₂
 u₄ R=F, D=CH₂NH₂
 u₅ R=Cl, D=CH₂NH₂
 u₆ R=OMe, D=CH₂NH₂
 u₇ R=F, D=C(=NH)NH₂
 u₈ R=Cl, D=C(=NH)NH₂
 u₉ R=OMe, D=C(=NH)NH₂
 u₁₀ R=F, D=C(O)NH₂
 u₁₁ R=Cl, D=C(O)NH₂
 u₁₂ R=OMe, D=C(O)NH₂



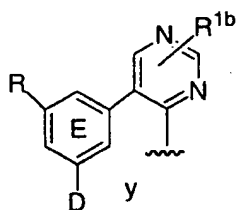
- v₁ R=F, D=NH₂
v₂ R=Cl, D=NH₂
v₃ R=OMe, D=NH₂
v₄ R=F, D=CH₂NH₂
v₅ R=Cl, D=CH₂NH₂
v₆ R=OMe, D=CH₂NH₂
v₇ R=F, D=C(=NH)NH₂
v₈ R=Cl, D=C(=NH)NH₂
v₉ R=OMe, D=C(=NH)NH₂
v₁₀ R=F, D=C(O)NH₂
v₁₁ R=Cl, D=C(O)NH₂
v₁₂ R=OMe, D=C(O)NH₂



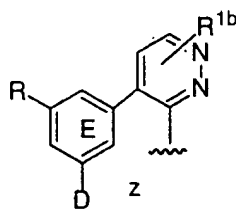
- w₁ R=F, D=NH₂
w₂ R=Cl, D=NH₂
w₃ R=OMe, D=NH₂
w₄ R=F, D=CH₂NH₂
w₅ R=Cl, D=CH₂NH₂
w₆ R=OMe, D=CH₂NH₂
w₇ R=F, D=C(=NH)NH₂
w₈ R=Cl, D=C(=NH)NH₂
w₉ R=OMe, D=C(=NH)NH₂
w₁₀ R=F, D=C(O)NH₂
w₁₁ R=Cl, D=C(O)NH₂
w₁₂ R=OMe, D=C(O)NH₂



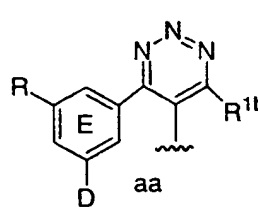
- x₁ R=F, D=NH₂
x₂ R=Cl, D=NH₂
x₃ R=OMe, D=NH₂
x₄ R=F, D=CH₂NH₂
x₅ R=Cl, D=CH₂NH₂
x₆ R=OMe, D=CH₂NH₂
x₇ R=F, D=C(=NH)NH₂
x₈ R=Cl, D=C(=NH)NH₂
x₉ R=OMe, D=C(=NH)NH₂
x₁₀ R=F, D=C(O)NH₂
x₁₁ R=Cl, D=C(O)NH₂
x₁₂ R=OMe, D=C(O)NH₂



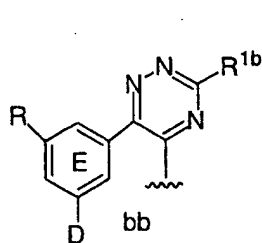
- y₁ R=F, D=NH₂
y₂ R=Cl, D=NH₂
y₃ R=OMe, D=NH₂
y₄ R=F, D=CH₂NH₂
y₅ R=Cl, D=CH₂NH₂
y₆ R=OMe, D=CH₂NH₂
y₇ R=F, D=C(=NH)NH₂
y₈ R=Cl, D=C(=NH)NH₂
y₉ R=OMe, D=C(=NH)NH₂
y₁₀ R=F, D=C(O)NH₂
y₁₁ R=Cl, D=C(O)NH₂
y₁₂ R=OMe, D=C(O)NH₂



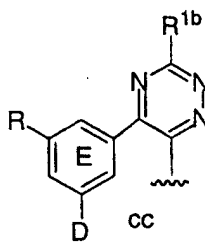
- z₁ R=F, D=NH₂
z₂ R=Cl, D=NH₂
z₃ R=OMe, D=NH₂
z₄ R=F, D=CH₂NH₂
z₅ R=Cl, D=CH₂NH₂
z₆ R=OMe, D=CH₂NH₂
z₇ R=F, D=C(=NH)NH₂
z₈ R=Cl, D=C(=NH)NH₂
z₉ R=OMe, D=C(=NH)NH₂
z₁₀ R=F, D=C(O)NH₂
z₁₁ R=Cl, D=C(O)NH₂
z₁₂ R=OMe, D=C(O)NH₂



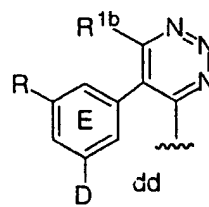
- aa₁ R=F, D=NH₂
aa₂ R=Cl, D=NH₂
aa₃ R=OMe, D=NH₂
aa₄ R=F, D=CH₂NH₂
aa₅ R=Cl, D=CH₂NH₂
aa₆ R=OMe, D=CH₂NH₂
aa₇ R=F, D=C(=NH)NH₂
aa₈ R=Cl, D=C(=NH)NH₂
aa₉ R=OMe, D=C(=NH)NH₂
aa₁₀ R=F, D=C(O)NH₂
aa₁₁ R=Cl, D=C(O)NH₂
aa₁₂ R=OMe, D=C(O)NH₂



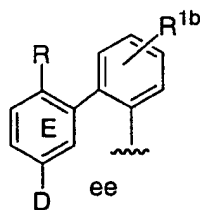
- bb₁ R=F, D=NH₂
 bb₂ R=Cl, D=NH₂
 bb₃ R=OMe, D=NH₂
 bb₄ R=F, D=CH₂NH₂
 bb₅ R=Cl, D=CH₂NH₂
 bb₆ R=OMe, D=CH₂NH₂
 bb₇ R=F, D=C(=NH)NH₂
 bb₈ R=Cl, D=C(=NH)NH₂
 bb₉ R=OMe, D=C(=NH)NH₂
 bb₁₀ R=F, D=C(O)NH₂
 bb₁₁ R=Cl, D=C(O)NH₂
 bb₁₂ R=OMe, D=C(O)NH₂



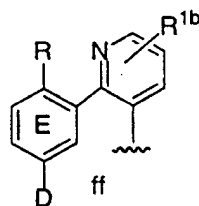
- cc₁ R=F, D=NH₂
 cc₂ R=Cl, D=NH₂
 cc₃ R=OMe, D=NH₂
 cc₄ R=F, D=CH₂NH₂
 cc₅ R=Cl, D=CH₂NH₂
 cc₆ R=OMe, D=CH₂NH₂
 cc₇ R=F, D=C(=NH)NH₂
 cc₈ R=Cl, D=C(=NH)NH₂
 cc₉ R=OMe, D=C(=NH)NH₂
 cc₁₀ R=F, D=C(O)NH₂
 cc₁₁ R=Cl, D=C(O)NH₂
 cc₁₂ R=OMe, D=C(O)NH₂



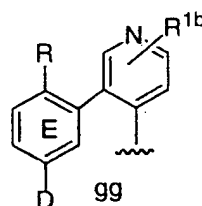
- dd₁ R=F, D=NH₂
 dd₂ R=Cl, D=NH₂
 dd₃ R=OMe, D=NH₂
 dd₄ R=F, D=CH₂NH₂
 dd₅ R=Cl, D=CH₂NH₂
 dd₆ R=OMe, D=CH₂NH₂
 dd₇ R=F, D=C(=NH)NH₂
 dd₈ R=Cl, D=C(=NH)NH₂
 dd₉ R=OMe, D=C(=NH)NH₂
 dd₁₀ R=F, D=C(O)NH₂
 dd₁₁ R=Cl, D=C(O)NH₂
 dd₁₂ R=OMe, D=C(O)NH₂



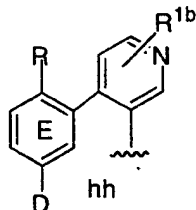
- ee₁ R=F, D=CH₂NH₂
 ee₂ R=Cl, D=CH₂NH₂
 ee₃ R=OMe, D=CH₂NH₂
 ee₄ R=CH₂NH₂,
 D=CH₂NH₂



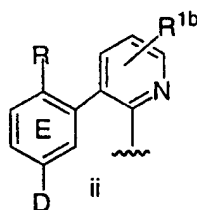
- ff₁ R=F, D=CH₂NH₂
 ff₂ R=Cl, D=CH₂NH₂
 ff₃ R=OMe, D=CH₂NH₂
 ff₄ R=CH₂NH₂,
 D=CH₂NH₂



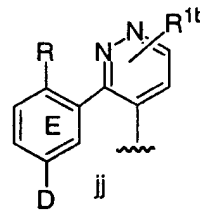
- gg₁ R=F, D=CH₂NH₂
 gg₂ R=Cl, D=CH₂NH₂
 gg₃ R=OMe, D=CH₂NH₂
 gg₄ R=CH₂NH₂,
 D=CH₂NH₂



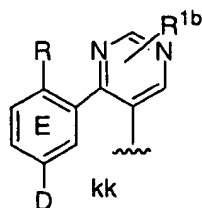
- hh₁ R=F, D=CH₂NH₂
 hh₂ R=Cl, D=CH₂NH₂
 hh₃ R=OMe, D=CH₂NH₂
 hh₄ R=CH₂NH₂,
 D=CH₂NH₂



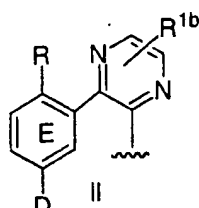
- ii₁ R=F, D=CH₂NH₂
 ii₂ R=Cl, D=CH₂NH₂
 ii₃ R=OMe, D=CH₂NH₂
 ii₄ R=CH₂NH₂,
 D=CH₂NH₂



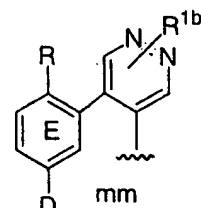
- jj₁ R=F, D=CH₂NH₂
 jj₂ R=Cl, D=CH₂NH₂
 jj₃ R=OMe, D=CH₂NH₂
 jj₄ R=CH₂NH₂,
 D=CH₂NH₂



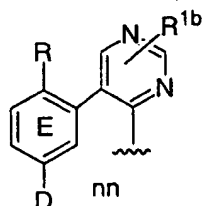
kk₁ R=F, D=CH₂NH₂
 kk₂ R=Cl, D=CH₂NH₂
 kk₃ R=OMe, D=CH₂NH₂
 kk₄ R=CH₂NH₂,
 D=CH₂NH₂



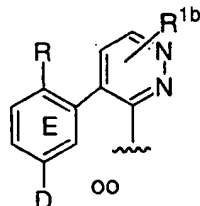
ll₁ R=F, D=CH₂NH₂
 ll₂ R=Cl, D=CH₂NH₂
 ll₃ R=OMe, D=CH₂NH₂
 ll₄ R=CH₂NH₂,
 D=CH₂NH₂



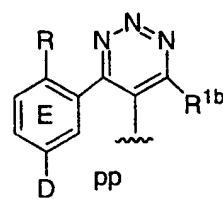
mm₁ R=F, D=CH₂NH₂
 mm₂ R=Cl, D=CH₂NH₂
 mm₃ R=OMe, D=CH₂NH₂
 mm₄ R=CH₂NH₂,
 D=CH₂NH₂



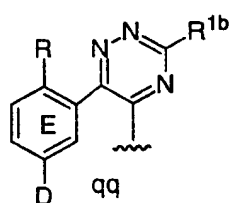
nn₁ R=F, D=CH₂NH₂
 nn₂ R=Cl, D=CH₂NH₂
 nn₃ R=OMe, D=CH₂NH₂
 nn₄ R=CH₂NH₂,
 D=CH₂NH₂



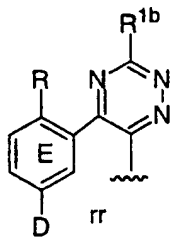
oo₁ R=F, D=CH₂NH₂
 oo₂ R=Cl, D=CH₂NH₂
 oo₃ R=OMe, D=CH₂NH₂
 oo₄ R=CH₂NH₂,
 D=CH₂NH₂



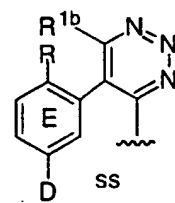
pp₁ R=F, D=CH₂NH₂
 pp₂ R=Cl, D=CH₂NH₂
 pp₃ R=OMe, D=CH₂NH₂
 pp₄ R=CH₂NH₂,
 D=CH₂NH₂



qq₁ R=F, D=CH₂NH₂
 qq₂ R=Cl, D=CH₂NH₂
 qq₃ R=OMe, D=CH₂NH₂
 qq₄ R=CH₂NH₂,
 D=CH₂NH₂



rr₁ R=F, D=CH₂NH₂
 rr₂ R=Cl, D=CH₂NH₂
 rr₃ R=OMe, D=CH₂NH₂
 rr₄ R=CH₂NH₂,
 D=CH₂NH₂



ss₁ R=F, D=CH₂NH₂
 ss₂ R=Cl, D=CH₂NH₂
 ss₃ R=OMe, D=CH₂NH₂
 ss₄ R=CH₂NH₂,
 D=CH₂NH₂

5	Ex #	R ^{1b}	A	B
	1	H	phenyl	2-(aminosulfonyl)phenyl
	2	H	phenyl	2-(methylaminosulfonyl)phenyl
	3	H	phenyl	1-pyrrolidinocarbonyl
	4	H	phenyl	2-(methylsulfonyl)phenyl
10	5	H	phenyl	4-morpholino
	6	H	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	7	H	phenyl	4-morpholinocarbonyl
	8	H	2-pyridyl	2-(aminosulfonyl)phenyl
	9	H	2-pyridyl	2-(methylaminosulfonyl)phenyl
15	10	H	2-pyridyl	1-pyrrolidinocarbonyl
	11	H	2-pyridyl	2-(methylsulfonyl)phenyl
	12	H	2-pyridyl	4-morpholino
	13	H	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl

	14	H	2-pyridyl	4-morpholinocarbonyl
	15	H	3-pyridyl	2-(aminosulfonyl)phenyl
	16	H	3-pyridyl	2-(methylaminosulfonyl)phenyl
	17	H	3-pyridyl	1-pyrrolidinocarbonyl
5	18	H	3-pyridyl	2-(methylsulfonyl)phenyl
	19	H	3-pyridyl	4-morpholino
	20	H	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	21	H	3-pyridyl	4-morpholinocarbonyl
	22	H	2-pyrimidyl	2-(aminosulfonyl)phenyl
10	23	H	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
	24	H	2-pyrimidyl	1-pyrrolidinocarbonyl
	25	H	2-pyrimidyl	2-(methylsulfonyl)phenyl
	26	H	2-pyrimidyl	4-morpholino
	27	H	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
15	28	H	2-pyrimidyl	4-morpholinocarbonyl
	29	H	5-pyrimidyl	2-(aminosulfonyl)phenyl
	30	H	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
	31	H	5-pyrimidyl	1-pyrrolidinocarbonyl
	32	H	5-pyrimidyl	2-(methylsulfonyl)phenyl
20	33	H	5-pyrimidyl	4-morpholino
	34	H	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	35	H	5-pyrimidyl	4-morpholinocarbonyl
	36	H	2-Cl-phenyl	2-(aminosulfonyl)phenyl
	37	H	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
25	38	H	2-Cl-phenyl	1-pyrrolidinocarbonyl
	39	H	2-Cl-phenyl	2-(methylsulfonyl)phenyl
	40	H	2-Cl-phenyl	4-morpholino
	41	H	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	42	H	2-Cl-phenyl	4-morpholinocarbonyl
30	43	H	2-F-phenyl	2-(aminosulfonyl)phenyl
	44	H	2-F-phenyl	2-(methylaminosulfonyl)phenyl
	45	H	2-F-phenyl	1-pyrrolidinocarbonyl
	46	H	2-F-phenyl	2-(methylsulfonyl)phenyl
	47	H	2-F-phenyl	4-morpholino
35	48	H	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	49	H	2-F-phenyl	4-morpholinocarbonyl
	50	H	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	51	H	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl
	52	H	2,5-diF-phenyl	1-pyrrolidinocarbonyl
40	53	H	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
	54	H	2,5-diF-phenyl	4-morpholino
	55	H	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	56	H	2,5-diF-phenyl	4-morpholinocarbonyl
	57	H	phenyl	2-(N-pyrrolidinyl-methyl)phenyl
45	58	H	phenyl	2-(N-piperidinyl-methyl)phenyl
	59	H	phenyl	2-(N-morpholino-methyl)phenyl
	60	H	phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	61	H	phenyl	2-(N-pyridinium-methyl)phenyl
50	62	H	phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	63	H	phenyl	2-(N-azatanyl-methyl)phenyl
	64	H	phenyl	2-(N-azetidiny-methyl)phenyl
	65	H	phenyl	2-(N-piperazinyl-methyl)phenyl
55	66	H	phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl

	67	H	phenyl	2-(N-imidazolyl-methyl)phenyl
	68	H	phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	69	H	phenyl	2-(N-pyridonyl-methyl)phenyl
5	70	H	phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	71	H	phenyl	2-(amidinyl)phenyl
	72	H	phenyl	2-(N-guanidinyl)phenyl
	73	H	phenyl	2-(imidazolyl)phenyl
10	74	H	phenyl	2-(imidazolidinyl)phenyl
	75	H	phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	76	H	phenyl	2-(2-pyrrolidinyl)phenyl
	77	H	phenyl	2-(2-piperidinyl)phenyl
15	78	H	phenyl	2-(amidinyl-methyl)phenyl
	79	H	phenyl	2-(2-imidazolidinyl-methyl)phenyl
	80	H	phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
20	81	H	phenyl	2-dimethylaminoimidazol-1-yl
	82	H	phenyl	2-(3-aminophenyl)
	83	H	phenyl	2-(3-pyrrolidinylcarbonyl)
	84	H	phenyl	2-glycinoyl
	85	H	phenyl	2-(imidazol-1-ylacetyl)
25	86	H	2-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	87	H	2-pyridyl	2-(N-piperidinyl-methyl)phenyl
	88	H	2-pyridyl	2-(N-morpholino-methyl)phenyl
	89	H	2-pyridyl	2-(N,N'-methylmorpholinium-methyl)phenyl
30	90	H	2-pyridyl	2-(N-pyridinium-methyl)phenyl
	91	H	2-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	92	H	2-pyridyl	2-(N-azatanyl-methyl)phenyl
	93	H	2-pyridyl	2-(N-azetidiny-methyl)phenyl
35	94	H	2-pyridyl	2-(N-piperazinyl-methyl)phenyl
	95	H	2-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	96	H	2-pyridyl	2-(N-imidazolyl-methyl)phenyl
	97	H	2-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
40	98	H	2-pyridyl	2-(N-pyridonyl-methyl)phenyl
	99	H	2-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	100	H	2-pyridyl	2-(amidinyl)phenyl
45	101	H	2-pyridyl	2-(N-guanidinyl)phenyl
	102	H	2-pyridyl	2-(imidazolyl)phenyl
	103	H	2-pyridyl	2-(imidazolidinyl)phenyl
	104	H	2-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
50	105	H	2-pyridyl	2-(2-pyrrolidinyl)phenyl
	106	H	2-pyridyl	2-(2-piperidinyl)phenyl
	107	H	2-pyridyl	2-(amidinyl-methyl)phenyl
	108	H	2-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
55	109	H	2-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl

	110	H	2-pyridyl	2-dimethylaminoimidazol-1-yl
	111	H	2-pyridyl	2-(3-aminophenyl)
	112	H	2-pyridyl	2-(3-pyrrolidinylcarbonyl)
	113	H	2-pyridyl	2-glycinoyl
5	114	H	2-pyridyl	2-(imidazol-1-ylacetyl)
	115	H	3-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	116	H	3-pyridyl	2-(N-piperidinyl-methyl)phenyl
	117	H	3-pyridyl	2-(N-morpholino-methyl)phenyl
	118	H	3-pyridyl	2-(N,N'-methylmorpholinium-methyl)phenyl
10	119	H	3-pyridyl	2-(N-pyridinium-methyl)phenyl
	120	H	3-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	121	H	3-pyridyl	2-(N-azatanyl-methyl)phenyl
15	122	H	3-pyridyl	2-(N-azetidiny-methyl)phenyl
	123	H	3-pyridyl	2-(N-piperazinyl-methyl)phenyl
	124	H	3-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	125	H	3-pyridyl	2-(N-imidazolyl-methyl)phenyl
20	126	H	3-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	127	H	3-pyridyl	2-(N-pyridonyl-methyl)phenyl
	128	H	3-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
25	129	H	3-pyridyl	2-(amidinyl)phenyl
	130	H	3-pyridyl	2-(N-guanidinyl)phenyl
	131	H	3-pyridyl	2-(imidazolyl)phenyl
	132	H	3-pyridyl	2-(imidazolidinyl)phenyl
	133	H	3-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
30	134	H	3-pyridyl	2-(2-pyrrolidinyl)phenyl
	135	H	3-pyridyl	2-(2-piperidinyl)phenyl
	136	H	3-pyridyl	2-(amidinyl-methyl)phenyl
	137	H	3-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
35	138	H	3-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	139	H	3-pyridyl	2-dimethylaminoimidazol-1-yl
	140	H	3-pyridyl	2-(3-aminophenyl)
40	141	H	3-pyridyl	2-(3-pyrrolidinylcarbonyl)
	142	H	3-pyridyl	2-glycinoyl
	143	H	3-pyridyl	2-(imidazol-1-ylacetyl)
	144	H	2-pyrimidyl	2-(N-pyrrolidinyl-methyl)phenyl
	145	H	2-pyrimidyl	2-(N-piperidinyl-methyl)phenyl
45	146	H	2-pyrimidyl	2-(N-morpholino-methyl)phenyl
	147	H	2-pyrimidyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	148	H	2-pyrimidyl	2-(N-pyridinium-methyl)phenyl
	149	H	2-pyrimidyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
50	150	H	2-pyrimidyl	2-(N-azatanyl-methyl)phenyl
	151	H	2-pyrimidyl	2-(N-azetidiny-methyl)phenyl
	152	H	2-pyrimidyl	2-(N-piperazinyl-methyl)phenyl
	153	H	2-pyrimidyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
55	154	H	2-pyrimidyl	2-(N-imidazolyl-methyl)phenyl

	155	H	2-pyrimidyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	156	H	2-pyrimidyl	2-(N-pyridonyl-methyl)phenyl
	157	H	2-pyrimidyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
5	158	H	2-pyrimidyl	2-(amidinyl)phenyl
	159	H	2-pyrimidyl	2-(N-guanidinyl)phenyl
	160	H	2-pyrimidyl	2-(imidazolyl)phenyl
	161	H	2-pyrimidyl	2-(imidazolidinyl)phenyl
10	162	H	2-pyrimidyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	163	H	2-pyrimidyl	2-(2-pyrrolidinyl)phenyl
	164	H	2-pyrimidyl	2-(2-piperidinyl)phenyl
	165	H	2-pyrimidyl	2-(amidinyl-methyl)phenyl
15	166	H	2-pyrimidyl	2-(2-imidazolidinyl-methyl)phenyl
	167	H	2-pyrimidyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	168	H	2-pyrimidyl	2-dimethylaminoimidazol-1-yl
20	169	H	2-pyrimidyl	2-(3-aminophenyl)
	170	H	2-pyrimidyl	2-(3-pyrrolidinylcarbonyl)
	171	H	2-pyrimidyl	2-glycinoyl
	172	H	2-pyrimidyl	2-(imidazol-1-ylacetyl)
	173	H	2-Cl-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
25	174	H	2-Cl-phenyl	2-(N-piperidinyl-methyl)phenyl
	175	H	2-Cl-phenyl	2-(N-morpholino-methyl)phenyl
	176	H	2-Cl-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	177	H	2-Cl-phenyl	2-(N-pyridinium-methyl)phenyl
30	178	H	2-Cl-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	179	H	2-Cl-phenyl	2-(N-azatanyl-methyl)phenyl
	180	H	2-Cl-phenyl	2-(N-azetidiny-methyl)phenyl
	181	H	2-Cl-phenyl	2-(N-piperazinyl-methyl)phenyl
35	182	H	2-Cl-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	183	H	2-Cl-phenyl	2-(N-imidazolyl-methyl)phenyl
	184	H	2-Cl-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
40	185	H	2-Cl-phenyl	2-(N-pyridonyl-methyl)phenyl
	186	H	2-Cl-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	187	H	2-Cl-phenyl	2-(amidinyl)phenyl
	188	H	2-Cl-phenyl	2-(N-guanidinyl)phenyl
45	189	H	2-Cl-phenyl	2-(imidazolyl)phenyl
	190	H	2-Cl-phenyl	2-(imidazolidinyl)phenyl
	191	H	2-Cl-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	192	H	2-Cl-phenyl	2-(2-pyrrolidinyl)phenyl
50	193	H	2-Cl-phenyl	2-(2-piperidinyl)phenyl
	194	H	2-Cl-phenyl	2-(amidinyl-methyl)phenyl
	195	H	2-Cl-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	196	H	2-Cl-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
55	197	H	2-Cl-phenyl	2-dimethylaminoimidazol-1-yl

	198	H	2-Cl-phenyl	2-(3-aminophenyl)
	199	H	2-Cl-phenyl	2-(3-pyrrolidinylcarbonyl)
	200	H	2-Cl-phenyl	2-glycinoyl
	201	H	2-Cl-phenyl	2-(imidazol-1-ylacetyl)
5	202	H	2-F-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	203	H	2-F-phenyl	2-(N-piperidinyl-methyl)phenyl
	204	H	2-F-phenyl	2-(N-morpholino-methyl)phenyl
	205	H	2-F-phenyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
10	206	H	2-F-phenyl	2-(N-pyridinium-methyl)phenyl
	207	H	2-F-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	208	H	2-F-phenyl	2-(N-azatanyl-methyl)phenyl
	209	H	2-F-phenyl	2-(N-azetidiny-methyl)phenyl
15	210	H	2-F-phenyl	2-(N-piperazinyl-methyl)phenyl
	211	H	2-F-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	212	H	2-F-phenyl	2-(N-imidazolyl-methyl)phenyl
20	213	H	2-F-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	214	H	2-F-phenyl	2-(N-pyridonyl-methyl)phenyl
	215	H	2-F-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	216	H	2-F-phenyl	2-(amidinyl)phenyl
25	217	H	2-F-phenyl	2-(N-guanidinyl)phenyl
	218	H	2-F-phenyl	2-(imidazolyl)phenyl
	219	H	2-F-phenyl	2-(imidazolidinyl)phenyl
	220	H	2-F-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
30	221	H	2-F-phenyl	2-(2-pyrrolidinyl)phenyl
	222	H	2-F-phenyl	2-(2-piperidinyl)phenyl
	223	H	2-F-phenyl	2-(amidinyl-methyl)phenyl
	224	H	2-F-phenyl	2-(2-imidazolidinyl-methyl)phenyl
35	225	H	2-F-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	226	H	2-F-phenyl	2-dimethylaminoimidazol-1-yl
	227	H	2-F-phenyl	2-(3-aminophenyl)
	228	H	2-F-phenyl	2-(3-pyrrolidinylcarbonyl)
40	229	H	2-F-phenyl	2-glycinoyl
	230	H	2-F-phenyl	2-(imidazol-1-ylacetyl)
	231	H	2,5-diF-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	232	H	2,5-diF-phenyl	2-(N-piperidinyl-methyl)phenyl
	233	H	2,5-diF-phenyl	2-(N-morpholino-methyl)phenyl
45	234	H	2,5-diF-phenyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
	235	H	2,5-diF-phenyl	2-(N-pyridinium-methyl)phenyl
	236	H	2,5-diF-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
50	237	H	2,5-diF-phenyl	2-(N-azatanyl-methyl)phenyl
	238	H	2,5-diF-phenyl	2-(N-azetidiny-methyl)phenyl
	239	H	2,5-diF-phenyl	2-(N-piperazinyl-methyl)phenyl
	240	H	2,5-diF-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
55	241	H	2,5-diF-phenyl	2-(N-imidazolyl-methyl)phenyl
	242	H	2,5-diF-phenyl	2-(N-methoxy-N-methylamino-

			methyl)phenyl	
	243	H	2,5-diF-phenyl	2-(N-pyridonyl-methyl)phenyl
	244	H	2,5-diF-phenyl	2-(N-(N',N'-dimethylhydrazinyl)-methyl)phenyl
5	245	H	2,5-diF-phenyl	2-(amidinyl)phenyl
	246	H	2,5-diF-phenyl	2-(N-guanidinyl)phenyl
	247	H	2,5-diF-phenyl	2-(imidazolyl)phenyl
	248	H	2,5-diF-phenyl	2-(imidazolidinyl)phenyl
	249	H	2,5-diF-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
10	250	H	2,5-diF-phenyl	2-(2-pyrrolidinyl)phenyl
	251	H	2,5-diF-phenyl	2-(2-piperidinyl)phenyl
	252	H	2,5-diF-phenyl	2-(amidinyl-methyl)phenyl
	253	H	2,5-diF-phenyl	2-(2-imidazolidinyl-methyl)phenyl
15	254	H	2,5-diF-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	255	H	2,5-diF-phenyl	2-dimethylaminoimidazol-1-yl
	256	H	2,5-diF-phenyl	2-(3-aminophenyl)
20	257	H	2,5-diF-phenyl	2-(3-pyrrolidinylcarbonyl)
	258	H	2,5-diF-phenyl	2-glycinoyl
	259	H	2,5-diF-phenyl	2-(imidazol-1-ylacetyl)
	260	-CN	phenyl	2-(aminosulfonyl)phenyl
	261	-CN	phenyl	2-(methylaminosulfonyl)phenyl
25	262	-CN	phenyl	1-pyrrolidinocarbonyl
	263	-CN	phenyl	2-(methylsulfonyl)phenyl
	264	-CN	phenyl	4-morpholino
	265	-CN	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	266	-CN	phenyl	4-morpholinocarbonyl
30	267	-CN	2-pyridyl	2-(aminosulfonyl)phenyl
	268	-CN	2-pyridyl	2-(methylaminosulfonyl)phenyl
	269	-CN	2-pyridyl	1-pyrrolidinocarbonyl
	270	-CN	2-pyridyl	2-(methylsulfonyl)phenyl
	271	-CN	2-pyridyl	4-morpholino
35	272	-CN	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	273	-CN	2-pyridyl	4-morpholinocarbonyl
	274	-CN	3-pyridyl	2-(aminosulfonyl)phenyl
	275	-CN	3-pyridyl	2-(methylaminosulfonyl)phenyl
	276	-CN	3-pyridyl	1-pyrrolidinocarbonyl
40	277	-CN	3-pyridyl	2-(methylsulfonyl)phenyl
	278	-CN	3-pyridyl	4-morpholino
	279	-CN	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	280	-CN	3-pyridyl	4-morpholinocarbonyl
	281	-CN	2-pyrimidyl	2-(aminosulfonyl)phenyl
45	282	-CN	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
	283	-CN	2-pyrimidyl	1-pyrrolidinocarbonyl
	284	-CN	2-pyrimidyl	2-(methylsulfonyl)phenyl
	285	-CN	2-pyrimidyl	4-morpholino
	286	-CN	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
50	287	-CN	2-pyrimidyl	4-morpholinocarbonyl
	288	-CN	5-pyrimidyl	2-(aminosulfonyl)phenyl
	289	-CN	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
	290	-CN	5-pyrimidyl	1-pyrrolidinocarbonyl
	291	-CN	5-pyrimidyl	2-(methylsulfonyl)phenyl
55	292	-CN	5-pyrimidyl	4-morpholino
	293	-CN	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl

	294	-CN	5-pyrimidyl	4-morpholinocarbonyl
	295	-CN	2-Cl-phenyl	2-(aminosulfonyl)phenyl
	296	-CN	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
	297	-CN	2-Cl-phenyl	1-pyrrolidinocarbonyl
5	298	-CN	2-Cl-phenyl	2-(methylsulfonyl)phenyl
	299	-CN	2-Cl-phenyl	4-morpholino
	300	-CN	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	301	-CN	2-Cl-phenyl	4-morpholinocarbonyl
	302	-CN	2-F-phenyl	2-(aminosulfonyl)phenyl
10	303	-CN	2-F-phenyl	2-(methylaminosulfonyl)phenyl
	304	-CN	2-F-phenyl	1-pyrrolidinocarbonyl
	305	-CN	2-F-phenyl	2-(methylsulfonyl)phenyl
	306	-CN	2-F-phenyl	4-morpholino
	307	-CN	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
15	308	-CN	2-F-phenyl	4-morpholinocarbonyl
	309	-CN	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	310	-CN	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl
	311	-CN	2,5-diF-phenyl	1-pyrrolidinocarbonyl
	312	-CN	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
20	313	-CN	2,5-diF-phenyl	4-morpholino
	314	-CN	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	315	-CN	2,5-diF-phenyl	4-morpholinocarbonyl
	316	-CN	phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	317	-CN	phenyl	2-(N-piperidinyl-methyl)phenyl
25	318	-CN	phenyl	2-(N-morpholino-methyl)phenyl
	319	-CN	phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	320	-CN	phenyl	2-(N-pyridinium-methyl)phenyl
	321	-CN	phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
30	322	-CN	phenyl	2-(N-azatanyl-methyl)phenyl
	323	-CN	phenyl	2-(N-azetidiny-methyl)phenyl
	324	-CN	phenyl	2-(N-piperazinyl-methyl)phenyl
	325	-CN	phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
35	326	-CN	phenyl	2-(N-imidazolyl-methyl)phenyl
	327	-CN	phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	328	-CN	phenyl	2-(N-pyridonyl-methyl)phenyl
40	329	-CN	phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	330	-CN	phenyl	2-(amidinyl)phenyl
	331	-CN	phenyl	2-(N-guanidinyl)phenyl
	332	-CN	phenyl	2-(imidazolyl)phenyl
45	333	-CN	phenyl	2-(imidazolidinyl)phenyl
	334	-CN	phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	335	-CN	phenyl	2-(2-pyrrolidinyl)phenyl
	336	-CN	phenyl	2-(2-piperidinyl)phenyl
50	337	-CN	phenyl	2-(amidinyl-methyl)phenyl
	338	-CN	phenyl	2-(2-imidazolidinyl-methyl)phenyl
	339	-CN	phenyl	2-(N-(2-aminoimidazolyl-methyl)phenyl
55	340	-CN	phenyl	2-dimethylaminoimidazol-1-yl
	341	-CN	phenyl	2-(3-aminophenyl)

	342	-CN	phenyl	2-(3-pyrrolidinylcarbonyl)
	343	-CN	phenyl	2-glycinoyl
	344	-CN	phenyl	2-(imidazol-1-ylacetyl)
	345	-CN	2-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
5	346	-CN	2-pyridyl	2-(N-piperidinyl-methyl)phenyl
	347	-CN	2-pyridyl	2-(N-morpholino-methyl)phenyl
	348	-CN	2-pyridyl	2-(N,N'-methyldmorpholinium-methyl)phenyl
	349	-CN	2-pyridyl	2-(N-pyridinium-methyl)phenyl
10	350	-CN	2-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	351	-CN	2-pyridyl	2-(N-azatanyl-methyl)phenyl
	352	-CN	2-pyridyl	2-(N-azetidiny-methyl)phenyl
	353	-CN	2-pyridyl	2-(N-piperazinyl-methyl)phenyl
15	354	-CN	2-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	355	-CN	2-pyridyl	2-(N-imidazolyl-methyl)phenyl
	356	-CN	2-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
20	357	-CN	2-pyridyl	2-(N-pyridonyl-methyl)phenyl
	358	-CN	2-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	359	-CN	2-pyridyl	2-(amidinyl)phenyl
	360	-CN	2-pyridyl	2-(N-guanidinyl)phenyl
25	361	-CN	2-pyridyl	2-(imidazolyl)phenyl
	362	-CN	2-pyridyl	2-(imidazolidinyl)phenyl
	363	-CN	2-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	364	-CN	2-pyridyl	2-(2-pyrrolidinyl)phenyl
30	365	-CN	2-pyridyl	2-(2-piperidinyl)phenyl
	366	-CN	2-pyridyl	2-(amidinyl-methyl)phenyl
	367	-CN	2-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
	368	-CN	2-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
35	369	-CN	2-pyridyl	2-dimethylaminoimidazol-1-yl
	370	-CN	2-pyridyl	2-(3-aminophenyl)
	371	-CN	2-pyridyl	2-(3-pyrrolidinylcarbonyl)
	372	-CN	2-pyridyl	2-glycinoyl
40	373	-CN	2-pyridyl	2-(imidazol-1-ylacetyl)
	374	-CN	3-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	375	-CN	3-pyridyl	2-(N-piperidinyl-methyl)phenyl
	376	-CN	3-pyridyl	2-(N-morpholino-methyl)phenyl
	377	-CN	3-pyridyl	2-(N,N'-methyldmorpholinium-methyl)phenyl
45	378	-CN	3-pyridyl	2-(N-pyridinium-methyl)phenyl
	379	-CN	3-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	380	-CN	3-pyridyl	2-(N-azatanyl-methyl)phenyl
50	381	-CN	3-pyridyl	2-(N-azetidiny-methyl)phenyl
	382	-CN	3-pyridyl	2-(N-piperazinyl-methyl)phenyl
	383	-CN	3-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	384	-CN	3-pyridyl	2-(N-imidazolyl-methyl)phenyl
55	385	-CN	3-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl

	386	-CN	3-pyridyl	2-(N-pyridonyl-methyl)phenyl
	387	-CN	3-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	388	-CN	3-pyridyl	2-(amidinyl)phenyl
5	389	-CN	3-pyridyl	2-(N-guanidinyl)phenyl
	390	-CN	3-pyridyl	2-(imidazolyl)phenyl
	391	-CN	3-pyridyl	2-(imidazolidinyl)phenyl
	392	-CN	3-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
10	393	-CN	3-pyridyl	2-(2-pyrrolidinyl)phenyl
	394	-CN	3-pyridyl	2-(2-piperidinyl)phenyl
	395	-CN	3-pyridyl	2-(amidinyl-methyl)phenyl
	396	-CN	3-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
15	397	-CN	3-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	398	-CN	3-pyridyl	2-dimethylaminoimidazol-1-yl
	399	-CN	3-pyridyl	2-(3-aminophenyl)
	400	-CN	3-pyridyl	2-(3-pyrrolidinylcarbonyl)
20	401	-CN	3-pyridyl	2-glycinoyl
	402	-CN	3-pyridyl	2-(imidazol-1-ylacetyl)
	403	-CN	2-pyrimidyl	2-(N-pyrrolidinyl-methyl)phenyl
	404	-CN	2-pyrimidyl	2-(N-piperidinyl-methyl)phenyl
	405	-CN	2-pyrimidyl	2-(N-morpholino-methyl)phenyl
25	406	-CN	2-pyrimidyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	407	-CN	2-pyrimidyl	2-(N-pyridinium-methyl)phenyl
	408	-CN	2-pyrimidyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
30	409	-CN	2-pyrimidyl	2-(N-azatanyl-methyl)phenyl
	410	-CN	2-pyrimidyl	2-(N-azetidiny-methyl)phenyl
	411	-CN	2-pyrimidyl	2-(N-piperazinyl-methyl)phenyl
	412	-CN	2-pyrimidyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
35	413	-CN	2-pyrimidyl	2-(N-imidazolyl-methyl)phenyl
	414	-CN	2-pyrimidyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	415	-CN	2-pyrimidyl	2-(N-pyridonyl-methyl)phenyl
40	416	-CN	2-pyrimidyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	417	-CN	2-pyrimidyl	2-(amidinyl)phenyl
	418	-CN	2-pyrimidyl	2-(N-guanidinyl)phenyl
	419	-CN	2-pyrimidyl	2-(imidazolyl)phenyl
	420	-CN	2-pyrimidyl	2-(imidazolidinyl)phenyl
45	421	-CN	2-pyrimidyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	422	-CN	2-pyrimidyl	2-(2-pyrrolidinyl)phenyl
	423	-CN	2-pyrimidyl	2-(2-piperidinyl)phenyl
	424	-CN	2-pyrimidyl	2-(amidinyl-methyl)phenyl
50	425	-CN	2-pyrimidyl	2-(2-imidazolidinyl-methyl)phenyl
	426	-CN	2-pyrimidyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	427	-CN	2-pyrimidyl	2-dimethylaminoimidazol-1-yl
55	428	-CN	2-pyrimidyl	2-(3-aminophenyl)
	429	-CN	2-pyrimidyl	2-(3-pyrrolidinylcarbonyl)

	430	-CN	2-pyrimidyl	2-glycinoyl
	431	-CN	2-pyrimidyl	2-(imidazol-1-ylacetyl)
	432	-CN	2-Cl-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	433	-CN	2-Cl-phenyl	2-(N-piperidinyl-methyl)phenyl
5	434	-CN	2-Cl-phenyl	2-(N-morpholino-methyl)phenyl
	435	-CN	2-Cl-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	436	-CN	2-Cl-phenyl	2-(N-pyridinium-methyl)phenyl
10	437	-CN	2-Cl-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	438	-CN	2-Cl-phenyl	2-(N-azatanyl-methyl)phenyl
	439	-CN	2-Cl-phenyl	2-(N-azetidiny-methyl)phenyl
	440	-CN	2-Cl-phenyl	2-(N-piperazinyl-methyl)phenyl
	441	-CN	2-Cl-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
15	442	-CN	2-Cl-phenyl	2-(N-imidazolyl-methyl)phenyl
	443	-CN	2-Cl-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	444	-CN	2-Cl-phenyl	2-(N-pyridonyl-methyl)phenyl
20	445	-CN	2-Cl-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	446	-CN	2-Cl-phenyl	2-(amidinyl)phenyl
	447	-CN	2-Cl-phenyl	2-(N-guanidinyl)phenyl
	448	-CN	2-Cl-phenyl	2-(imidazolyl)phenyl
25	449	-CN	2-Cl-phenyl	2-(imidazolidinyl)phenyl
	450	-CN	2-Cl-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	451	-CN	2-Cl-phenyl	2-(2-pyrrolidinyl)phenyl
	452	-CN	2-Cl-phenyl	2-(2-piperidinyl)phenyl
30	453	-CN	2-Cl-phenyl	2-(amidinyl-methyl)phenyl
	454	-CN	2-Cl-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	455	-CN	2-Cl-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
35	456	-CN	2-Cl-phenyl	2-dimethylaminoimidazol-1-yl
	457	-CN	2-Cl-phenyl	2-(3-aminophenyl)
	458	-CN	2-Cl-phenyl	2-(3-pyrrolidinylcarbonyl)
	459	-CN	2-Cl-phenyl	2-glycinoyl
	460	-CN	2-Cl-phenyl	2-(imidazol-1-ylacetyl)
40	461	-CN	2-F-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	462	-CN	2-F-phenyl	2-(N-piperidinyl-methyl)phenyl
	463	-CN	2-F-phenyl	2-(N-morpholino-methyl)phenyl
	464	-CN	2-F-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
45	465	-CN	2-F-phenyl	2-(N-pyridinium-methyl)phenyl
	466	-CN	2-F-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	467	-CN	2-F-phenyl	2-(N-azatanyl-methyl)phenyl
	468	-CN	2-F-phenyl	2-(N-azetidiny-methyl)phenyl
50	469	-CN	2-F-phenyl	2-(N-piperazinyl-methyl)phenyl
	470	-CN	2-F-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	471	-CN	2-F-phenyl	2-(N-imidazolyl-methyl)phenyl
	472	-CN	2-F-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
55	473	-CN	2-F-phenyl	2-(N-pyridonyl-methyl)phenyl

	474	-CN	2-F-phenyl	2-(N-(N',N'-dimethylhydrazinyl)-methyl)phenyl
	475	-CN	2-F-phenyl	2-(amidinyl)phenyl
	476	-CN	2-F-phenyl	2-(N-guanidinyl)phenyl
5	477	-CN	2-F-phenyl	2-(imidazolyl)phenyl
	478	-CN	2-F-phenyl	2-(imidazolidinyl)phenyl
	479	-CN	2-F-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	480	-CN	2-F-phenyl	2-(2-pyrrolidinyl)phenyl
10	481	-CN	2-F-phenyl	2-(2-piperidinyl)phenyl
	482	-CN	2-F-phenyl	2-(amidinyl-methyl)phenyl
	483	-CN	2-F-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	484	-CN	2-F-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
15	485	-CN	2-F-phenyl	2-dimethylaminoimidazol-1-yl
	486	-CN	2-F-phenyl	2-(3-aminophenyl)
	487	-CN	2-F-phenyl	2-(3-pyrrolidinylcarbonyl)
	488	-CN	2-F-phenyl	2-glycinoyl
20	489	-CN	2-F-phenyl	2-(imidazol-1-ylacetyl)
	490	-CN	2,5-diF-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	491	-CN	2,5-diF-phenyl	2-(N-piperidinyl-methyl)phenyl
	492	-CN	2,5-diF-phenyl	2-(N-morpholino-methyl)phenyl
	493	-CN	2,5-diF-phenyl	2-(N,N'-methyldmorpholinium-methyl)phenyl
25	494	-CN	2,5-diF-phenyl	2-(N-pyridinium-methyl)phenyl
	495	-CN	2,5-diF-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	496	-CN	2,5-diF-phenyl	2-(N-azatanyl-methyl)phenyl
30	497	-CN	2,5-diF-phenyl	2-(N-azetidiny-methyl)phenyl
	498	-CN	2,5-diF-phenyl	2-(N-piperazinyl-methyl)phenyl
	499	-CN	2,5-diF-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	500	-CN	2,5-diF-phenyl	2-(N-imidazolyl-methyl)phenyl
35	501	-CN	2,5-diF-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	502	-CN	2,5-diF-phenyl	2-(N-pyridonyl-methyl)phenyl
	503	-CN	2,5-diF-phenyl	2-(N-(N',N'-dimethylhydrazinyl)-methyl)phenyl
40	504	-CN	2,5-diF-phenyl	2-(amidinyl)phenyl
	505	-CN	2,5-diF-phenyl	2-(N-guanidinyl)phenyl
	506	-CN	2,5-diF-phenyl	2-(imidazolyl)phenyl
	507	-CN	2,5-diF-phenyl	2-(imidazolidinyl)phenyl
	508	-CN	2,5-diF-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
45	509	-CN	2,5-diF-phenyl	2-(2-pyrrolidinyl)phenyl
	510	-CN	2,5-diF-phenyl	2-(2-piperidinyl)phenyl
	511	-CN	2,5-diF-phenyl	2-(amidinyl-methyl)phenyl
	512	-CN	2,5-diF-phenyl	2-(2-imidazolidinyl-methyl)phenyl
50	513	-CN	2,5-diF-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	514	-CN	2,5-diF-phenyl	2-dimethylaminoimidazol-1-yl
	515	-CN	2,5-diF-phenyl	2-(3-aminophenyl)
55	516	-CN	2,5-diF-phenyl	2-(3-pyrrolidinylcarbonyl)
	517	-CN	2,5-diF-phenyl	2-glycinoyl

	518	-CN	2,5-diF-phenyl	2-(imidazol-1-ylacetyl)
	519	CF ₃	phenyl	2-(aminosulfonyl)phenyl
	520	CF ₃	phenyl	2-(methylaminosulfonyl)phenyl
	521	CF ₃	phenyl	1-pyrrolidinocarbonyl
5	522	CF ₃	phenyl	2-(methylsulfonyl)phenyl
	523	CF ₃	phenyl	4-morpholino
	524	CF ₃	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	525	CF ₃	phenyl	4-morpholinocarbonyl
	526	CF ₃	2-pyridyl	2-(aminosulfonyl)phenyl
10	527	CF ₃	2-pyridyl	2-(methylaminosulfonyl)phenyl
	528	CF ₃	2-pyridyl	1-pyrrolidinocarbonyl
	529	CF ₃	2-pyridyl	2-(methylsulfonyl)phenyl
	530	CF ₃	2-pyridyl	4-morpholino
	531	CF ₃	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
15	532	CF ₃	2-pyridyl	4-morpholinocarbonyl
	533	CF ₃	3-pyridyl	2-(aminosulfonyl)phenyl
	534	CF ₃	3-pyridyl	2-(methylaminosulfonyl)phenyl
	535	CF ₃	3-pyridyl	1-pyrrolidinocarbonyl
	536	CF ₃	3-pyridyl	2-(methylsulfonyl)phenyl
20	537	CF ₃	3-pyridyl	4-morpholino
	538	CF ₃	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	539	CF ₃	3-pyridyl	4-morpholinocarbonyl
	540	CF ₃	2-pyrimidyl	2-(aminosulfonyl)phenyl
	541	CF ₃	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
25	542	CF ₃	2-pyrimidyl	1-pyrrolidinocarbonyl
	543	CF ₃	2-pyrimidyl	2-(methylsulfonyl)phenyl
	544	CF ₃	2-pyrimidyl	4-morpholino
	545	CF ₃	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	546	CF ₃	2-pyrimidyl	4-morpholinocarbonyl
30	547	CF ₃	5-pyrimidyl	2-(aminosulfonyl)phenyl
	548	CF ₃	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
	549	CF ₃	5-pyrimidyl	1-pyrrolidinocarbonyl
	550	CF ₃	5-pyrimidyl	2-(methylsulfonyl)phenyl
	551	CF ₃	5-pyrimidyl	4-morpholino
35	552	CF ₃	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	553	CF ₃	5-pyrimidyl	4-morpholinocarbonyl
	554	CF ₃	2-Cl-phenyl	2-(aminosulfonyl)phenyl
	555	CF ₃	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
	556	CF ₃	2-Cl-phenyl	1-pyrrolidinocarbonyl
40	557	CF ₃	2-Cl-phenyl	2-(methylsulfonyl)phenyl
	558	CF ₃	2-Cl-phenyl	4-morpholino
	559	CF ₃	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	560	CF ₃	2-Cl-phenyl	4-morpholinocarbonyl
	561	CF ₃	2-F-phenyl	2-(aminosulfonyl)phenyl
45	562	CF ₃	2-F-phenyl	2-(methylaminosulfonyl)phenyl
	563	CF ₃	2-F-phenyl	1-pyrrolidinocarbonyl
	564	CF ₃	2-F-phenyl	2-(methylsulfonyl)phenyl
	565	CF ₃	2-F-phenyl	4-morpholino
	566	CF ₃	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
50	567	CF ₃	2-F-phenyl	4-morpholinocarbonyl
	568	CF ₃	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	569	CF ₃	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl

	570	CF ₃	2,5-diF-phenyl	1-pyrrolidinocarbonyl
	571	CF ₃	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
	572	CF ₃	2,5-diF-phenyl	4-morpholino
	573	CF ₃	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
5	574	CF ₃	2,5-diF-phenyl	4-morpholinocarbonyl
	575	CF ₃	phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	576	CF ₃	phenyl	2-(N-piperidinyl-methyl)phenyl
	577	CF ₃	phenyl	2-(N-morpholino-methyl)phenyl
	578	CF ₃	phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
10	579	CF ₃	phenyl	2-(N-pyridinium-methyl)phenyl
	580	CF ₃	phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	581	CF ₃	phenyl	2-(N-azatanyl-methyl)phenyl
15	582	CF ₃	phenyl	2-(N-azetidiny-methyl)phenyl
	583	CF ₃	phenyl	2-(N-piperazinyl-methyl)phenyl
	584	CF ₃	phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	585	CF ₃	phenyl	2-(N-imidazolyl-methyl)phenyl
20	586	CF ₃	phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	587	CF ₃	phenyl	2-(N-pyridonyl-methyl)phenyl
	588	CF ₃	phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
25	589	CF ₃	phenyl	2-(amidinyl)phenyl
	590	CF ₃	phenyl	2-(N-guanidinyl)phenyl
	591	CF ₃	phenyl	2-(imidazolyl)phenyl
	592	CF ₃	phenyl	2-(imidazolidinyl)phenyl
	593	CF ₃	phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
30	594	CF ₃	phenyl	2-(2-pyrrolidinyl)phenyl
	595	CF ₃	phenyl	2-(2-piperidinyl)phenyl
	596	CF ₃	phenyl	2-(amidinyl-methyl)phenyl
	597	CF ₃	phenyl	2-(2-imidazolidinyl-methyl)phenyl
35	598	CF ₃	phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	599	CF ₃	phenyl	2-dimethylaminoimidazol-1-yl
	600	CF ₃	phenyl	2-(3-aminophenyl)
40	601	CF ₃	phenyl	2-(3-pyrrolidinylcarbonyl)
	602	CF ₃	phenyl	2-glycinoyl
	603	CF ₃	phenyl	2-(imidazol-1-ylacetyl)
	604	CF ₃	2-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	605	CF ₃	2-pyridyl	2-(N-piperidinyl-methyl)phenyl
45	606	CF ₃	2-pyridyl	2-(N-morpholino-methyl)phenyl
	607	CF ₃	2-pyridyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	608	CF ₃	2-pyridyl	2-(N-pyridinium-methyl)phenyl
	609	CF ₃	2-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
50	610	CF ₃	2-pyridyl	2-(N-azatanyl-methyl)phenyl
	611	CF ₃	2-pyridyl	2-(N-azetidiny-methyl)phenyl
	612	CF ₃	2-pyridyl	2-(N-piperazinyl-methyl)phenyl

	613	CF ₃	2-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	614	CF ₃	2-pyridyl	2-(N-imidazolyl-methyl)phenyl
	615	CF ₃	2-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
5	616	CF ₃	2-pyridyl	2-(N-pyridonyl-methyl)phenyl
	617	CF ₃	2-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	618	CF ₃	2-pyridyl	2-(amidinyl)phenyl
10	619	CF ₃	2-pyridyl	2-(N-guanidinyl)phenyl
	620	CF ₃	2-pyridyl	2-(imidazolyl)phenyl
	621	CF ₃	2-pyridyl	2-(imidazolidinyl)phenyl
	622	CF ₃	2-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
15	623	CF ₃	2-pyridyl	2-(2-pyrrolidinyl)phenyl
	624	CF ₃	2-pyridyl	2-(2-piperidinyl)phenyl
	625	CF ₃	2-pyridyl	2-(amidinyl-methyl)phenyl
	626	CF ₃	2-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
20	627	CF ₃	2-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	628	CF ₃	2-pyridyl	2-dimethylaminoimidazol-1-yl
	629	CF ₃	2-pyridyl	2-(3-aminophenyl)
	630	CF ₃	2-pyridyl	2-(3-pyrrolidinylcarbonyl)
25	631	CF ₃	2-pyridyl	2-glycinoyl
	632	CF ₃	2-pyridyl	2-(imidazol-1-ylacetyl)
	633	CF ₃	3-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	634	CF ₃	3-pyridyl	2-(N-piperidinyl-methyl)phenyl
	635	CF ₃	3-pyridyl	2-(N-morpholino-methyl)phenyl
30	636	CF ₃	3-pyridyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
	637	CF ₃	3-pyridyl	2-(N-pyridinium-methyl)phenyl
	638	CF ₃	3-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
35	639	CF ₃	3-pyridyl	2-(N-azatanyl-methyl)phenyl
	640	CF ₃	3-pyridyl	2-(N-azetidiny-methyl)phenyl
	641	CF ₃	3-pyridyl	2-(N-piperazinyl-methyl)phenyl
	642	CF ₃	3-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
40	643	CF ₃	3-pyridyl	2-(N-imidazolyl-methyl)phenyl
	644	CF ₃	3-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	645	CF ₃	3-pyridyl	2-(N-pyridonyl-methyl)phenyl
45	646	CF ₃	3-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	647	CF ₃	3-pyridyl	2-(amidinyl)phenyl
	648	CF ₃	3-pyridyl	2-(N-guanidinyl)phenyl
	649	CF ₃	3-pyridyl	2-(imidazolyl)phenyl
	650	CF ₃	3-pyridyl	2-(imidazolidinyl)phenyl
50	651	CF ₃	3-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	652	CF ₃	3-pyridyl	2-(2-pyrrolidinyl)phenyl
	653	CF ₃	3-pyridyl	2-(2-piperidinyl)phenyl

	654	CF ₃	3-pyridyl	2-(amidinyl-methyl)phenyl
	655	CF ₃	3-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
5	656	CF ₃	3-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	657	CF ₃	3-pyridyl	2-dimethylaminoimidazol-1-yl
	658	CF ₃	3-pyridyl	2-(3-aminophenyl)
	659	CF ₃	3-pyridyl	2-(3-pyrrolidinylcarbonyl)
	660	CF ₃	3-pyridyl	2-glycinoyl
10	661	CF ₃	3-pyridyl	2-(imidazol-1-ylacetyl)
	662	CF ₃	2-pyrimidyl	2-(N-pyrrolidinyl-methyl)phenyl
	663	CF ₃	2-pyrimidyl	2-(N-piperidinyl-methyl)phenyl
	664	CF ₃	2-pyrimidyl	2-(N-morpholino-methyl)phenyl
	665	CF ₃	2-pyrimidyl	2-(N,N'-methylmorpholinium-methyl)phenyl
15	666	CF ₃	2-pyrimidyl	2-(N-pyridinium-methyl)phenyl
	667	CF ₃	2-pyrimidyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	668	CF ₃	2-pyrimidyl	2-(N-azatanyl-methyl)phenyl
20	669	CF ₃	2-pyrimidyl	2-(N-azetidiny-methyl)phenyl
	670	CF ₃	2-pyrimidyl	2-(N-piperazinyl-methyl)phenyl
	671	CF ₃	2-pyrimidyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	672	CF ₃	2-pyrimidyl	2-(N-imidazolyl-methyl)phenyl
25	673	CF ₃	2-pyrimidyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	674	CF ₃	2-pyrimidyl	2-(N-pyridonyl-methyl)phenyl
	675	CF ₃	2-pyrimidyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
30	676	CF ₃	2-pyrimidyl	2-(amidinyl)phenyl
	677	CF ₃	2-pyrimidyl	2-(N-guanidinyl)phenyl
	678	CF ₃	2-pyrimidyl	2-(imidazolyl)phenyl
	679	CF ₃	2-pyrimidyl	2-(imidazolidinyl)phenyl
	680	CF ₃	2-pyrimidyl	2-(2-imidazolidinyl-sulfonyl)phenyl
35	681	CF ₃	2-pyrimidyl	2-(2-pyrrolidinyl)phenyl
	682	CF ₃	2-pyrimidyl	2-(2-piperidinyl)phenyl
	683	CF ₃	2-pyrimidyl	2-(amidinyl-methyl)phenyl
	684	CF ₃	2-pyrimidyl	2-(2-imidazolidinyl-methyl)phenyl
40	685	CF ₃	2-pyrimidyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	686	CF ₃	2-pyrimidyl	2-dimethylaminoimidazol-1-yl
	687	CF ₃	2-pyrimidyl	2-(3-aminophenyl)
45	688	CF ₃	2-pyrimidyl	2-(3-pyrrolidinylcarbonyl)
	689	CF ₃	2-pyrimidyl	2-glycinoyl
	690	CF ₃	2-pyrimidyl	2-(imidazol-1-ylacetyl)
	691	CF ₃	2-Cl-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	692	CF ₃	2-Cl-phenyl	2-(N-piperidinyl-methyl)phenyl
50	693	CF ₃	2-Cl-phenyl	2-(N-morpholino-methyl)phenyl
	694	CF ₃	2-Cl-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	695	CF ₃	2-Cl-phenyl	2-(N-pyridinium-methyl)phenyl

	696	CF ₃	2-Cl-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	697	CF ₃	2-Cl-phenyl	2-(N-azatanyl-methyl)phenyl
	698	CF ₃	2-Cl-phenyl	2-(N-azetidiny-methyl)phenyl
5	699	CF ₃	2-Cl-phenyl	2-(N-piperazinyl-methyl)phenyl
	700	CF ₃	2-Cl-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	701	CF ₃	2-Cl-phenyl	2-(N-imidazolyl-methyl)phenyl
10	702	CF ₃	2-Cl-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	703	CF ₃	2-Cl-phenyl	2-(N-pyridonyl-methyl)phenyl
	704	CF ₃	2-Cl-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	705	CF ₃	2-Cl-phenyl	2-(amidinyl)phenyl
15	706	CF ₃	2-Cl-phenyl	2-(N-guanidinyl)phenyl
	707	CF ₃	2-Cl-phenyl	2-(imidazolyl)phenyl
	708	CF ₃	2-Cl-phenyl	2-(imidazolidinyl)phenyl
	709	CF ₃	2-Cl-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
20	710	CF ₃	2-Cl-phenyl	2-(2-pyrrolidinyl)phenyl
	711	CF ₃	2-Cl-phenyl	2-(2-piperidinyl)phenyl
	712	CF ₃	2-Cl-phenyl	2-(amidinyl-methyl)phenyl
	713	CF ₃	2-Cl-phenyl	2-(2-imidazolidinyl-methyl)phenyl
25	714	CF ₃	2-Cl-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	715	CF ₃	2-Cl-phenyl	2-dimethylaminoimidazol-1-yl
	716	CF ₃	2-Cl-phenyl	2-(3-aminophenyl)
	717	CF ₃	2-Cl-phenyl	2-(3-pyrrolidinylcarbonyl)
30	718	CF ₃	2-Cl-phenyl	2-glycinoyl
	719	CF ₃	2-Cl-phenyl	2-(imidazol-1-ylacetyl)
	720	CF ₃	2-F-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	721	CF ₃	2-F-phenyl	2-(N-piperidinyl-methyl)phenyl
	722	CF ₃	2-F-phenyl	2-(N-morpholino-methyl)phenyl
35	723	CF ₃	2-F-phenyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
	724	CF ₃	2-F-phenyl	2-(N-pyridinium-methyl)phenyl
	725	CF ₃	2-F-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
40	726	CF ₃	2-F-phenyl	2-(N-azatanyl-methyl)phenyl
	727	CF ₃	2-F-phenyl	2-(N-azetidiny-methyl)phenyl
	728	CF ₃	2-F-phenyl	2-(N-piperazinyl-methyl)phenyl
	729	CF ₃	2-F-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
45	730	CF ₃	2-F-phenyl	2-(N-imidazolyl-methyl)phenyl
	731	CF ₃	2-F-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	732	CF ₃	2-F-phenyl	2-(N-pyridonyl-methyl)phenyl
50	733	CF ₃	2-F-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	734	CF ₃	2-F-phenyl	2-(amidinyl)phenyl
	735	CF ₃	2-F-phenyl	2-(N-guanidinyl)phenyl
	736	CF ₃	2-F-phenyl	2-(imidazolyl)phenyl

	737	CF ₃	2-F-phenyl	2-(imidazolidinyl)phenyl	
	738	CF ₃	2-F-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl	
	739	CF ₃	2-F-phenyl	2-(2-pyrrolidinyl)phenyl	
5	740	CF ₃	2-F-phenyl	2-(2-piperidinyl)phenyl	
	741	CF ₃	2-F-phenyl	2-(amidinyl-methyl)phenyl	
	742	CF ₃	2-F-phenyl	2-(2-imidazolidinyl-methyl)phenyl	
10	743	CF ₃	2-F-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl	
	744	CF ₃	2-F-phenyl	2-dimethylaminoimidazol-1-yl	
	745	CF ₃	2-F-phenyl	2-(3-aminophenyl)	
	746	CF ₃	2-F-phenyl	2-(3-pyrrolidinylcarbonyl)	
	747	CF ₃	2-F-phenyl	2-glycinoyl	
15	748	CF ₃	2-F-phenyl	2-(imidazol-1-ylacetyl)	
	749	CF ₃	2,5-diF-phenyl	2-(N-pyrrolidinyl-methyl)phenyl	
	750	CF ₃	2,5-diF-phenyl	2-(N-piperidinyl-methyl)phenyl	
	751	CF ₃	2,5-diF-phenyl	2-(N-morpholino-methyl)phenyl	
20	752	CF ₃	2,5-diF-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl	
	753	CF ₃	2,5-diF-phenyl	2-(N-pyridinium-methyl)phenyl	
	754	CF ₃	2,5-diF-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl	
	755	CF ₃	2,5-diF-phenyl	2-(N-azatanyl-methyl)phenyl	
25	756	CF ₃	2,5-diF-phenyl	2-(N-azetidiny-methyl)phenyl	
	757	CF ₃	2,5-diF-phenyl	2-(N-piperazinyl-methyl)phenyl	
	758	CF ₃	2,5-diF-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl	
	759	CF ₃	2,5-diF-phenyl	2-(N-imidazolyl-methyl)phenyl	
30	760	CF ₃	2,5-diF-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl	
	761	CF ₃	2,5-diF-phenyl	2-(N-pyridonyl-methyl)phenyl	
	762	CF ₃	2,5-diF-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl	
35	763	CF ₃	2,5-diF-phenyl	2-(amidinyl)phenyl	
	764	CF ₃	2,5-diF-phenyl	2-(N-guanidinyl)phenyl	
	765	CF ₃	2,5-diF-phenyl	2-(imidazolyl)phenyl	
	766	CF ₃	2,5-diF-phenyl	2-(imidazolidinyl)phenyl	
	767	CF ₃	2,5-diF-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl	
40	768	CF ₃	2,5-diF-phenyl	2-(2-pyrrolidinyl)phenyl	
	769	CF ₃	2,5-diF-phenyl	2-(2-piperidinyl)phenyl	
	770	CF ₃	2,5-diF-phenyl	2-(amidinyl-methyl)phenyl	
	771	CF ₃	2,5-diF-phenyl	2-(2-imidazolidinyl-methyl)phenyl	
45	772	CF ₃	2,5-diF-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl	
	773	CF ₃	2,5-diF-phenyl	2-dimethylaminoimidazol-1-yl	
	774	CF ₃	2,5-diF-phenyl	2-(3-aminophenyl)	
50	775	CF ₃	2,5-diF-phenyl	2-(3-pyrrolidinylcarbonyl)	
	776	CF ₃	2,5-diF-phenyl	2-glycinoyl	
	777	CF ₃	2,5-diF-phenyl	2-(imidazol-1-ylacetyl)	
	778	CONH ₂	phenyl	2-(aminosulfonyl)phenyl	

	779	CONH ₂	phenyl	2-(methylaminosulfonyl)phenyl
	780	CONH ₂	phenyl	1-pyrrolidinocarbonyl
	781	CONH ₂	phenyl	2-(methylsulfonyl)phenyl
	782	CONH ₂	phenyl	4-morpholino
5	783	CONH ₂	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	784	CONH ₂	phenyl	4-morpholinocarbonyl
	785	CONH ₂	2-pyridyl	2-(aminosulfonyl)phenyl
	786	CONH ₂	2-pyridyl	2-(methylaminosulfonyl)phenyl
	787	CONH ₂	2-pyridyl	1-pyrrolidinocarbonyl
10	788	CONH ₂	2-pyridyl	2-(methylsulfonyl)phenyl
	789	CONH ₂	2-pyridyl	4-morpholino
	790	CONH ₂	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	791	CONH ₂	2-pyridyl	4-morpholinocarbonyl
	792	CONH ₂	3-pyridyl	2-(aminosulfonyl)phenyl
15	793	CONH ₂	3-pyridyl	2-(methylaminosulfonyl)phenyl
	794	CONH ₂	3-pyridyl	1-pyrrolidinocarbonyl
	795	CONH ₂	3-pyridyl	2-(methylsulfonyl)phenyl
	796	CONH ₂	3-pyridyl	4-morpholino
	797	CONH ₂	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
20	798	CONH ₂	3-pyridyl	4-morpholinocarbonyl
	799	CONH ₂	2-pyrimidyl	2-(aminosulfonyl)phenyl
	800	CONH ₂	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
	801	CONH ₂	2-pyrimidyl	1-pyrrolidinocarbonyl
	802	CONH ₂	2-pyrimidyl	2-(methylsulfonyl)phenyl
25	803	CONH ₂	2-pyrimidyl	4-morpholino
	804	CONH ₂	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	805	CONH ₂	2-pyrimidyl	4-morpholinocarbonyl
	806	CONH ₂	5-pyrimidyl	2-(aminosulfonyl)phenyl
	807	CONH ₂	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
30	808	CONH ₂	5-pyrimidyl	1-pyrrolidinocarbonyl
	809	CONH ₂	5-pyrimidyl	2-(methylsulfonyl)phenyl
	810	CONH ₂	5-pyrimidyl	4-morpholino
	811	CONH ₂	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	812	CONH ₂	5-pyrimidyl	4-morpholinocarbonyl
35	813	CONH ₂	2-Cl-phenyl	2-(aminosulfonyl)phenyl
	814	CONH ₂	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
	815	CONH ₂	2-Cl-phenyl	1-pyrrolidinocarbonyl
	816	CONH ₂	2-Cl-phenyl	2-(methylsulfonyl)phenyl
	817	CONH ₂	2-Cl-phenyl	4-morpholino
40	818	CONH ₂	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	819	CONH ₂	2-Cl-phenyl	4-morpholinocarbonyl
	820	CONH ₂	2-F-phenyl	2-(aminosulfonyl)phenyl
	821	CONH ₂	2-F-phenyl	2-(methylaminosulfonyl)phenyl
	822	CONH ₂	2-F-phenyl	1-pyrrolidinocarbonyl
45	823	CONH ₂	2-F-phenyl	2-(methylsulfonyl)phenyl
	824	CONH ₂	2-F-phenyl	4-morpholino
	825	CONH ₂	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	826	CONH ₂	2-F-phenyl	4-morpholinocarbonyl
	827	CONH ₂	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
50	828	CONH ₂	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl
	829	CONH ₂	2,5-diF-phenyl	1-pyrrolidinocarbonyl
	830	CONH ₂	2,5-diF-phenyl	2-(methylsulfonyl)phenyl

	831	CONH ₂	2,5-diF-phenyl	4-morpholino
	832	CONH ₂	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	833	CONH ₂	2,5-diF-phenyl	4-morpholinocarbonyl
	834	CONH ₂	phenyl	2-(N-pyrrolidinyl-methyl)phenyl
5	835	CONH ₂	phenyl	2-(N-piperidinyl-methyl)phenyl
	836	CONH ₂	phenyl	2-(N-morpholino-methyl)phenyl
	837	CONH ₂	phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	838	CONH ₂	phenyl	2-(N-pyridinium-methyl)phenyl
10	839	CONH ₂	phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	840	CONH ₂	phenyl	2-(N-azatanyl-methyl)phenyl
	841	CONH ₂	phenyl	2-(N-azetidiny-methyl)phenyl
	842	CONH ₂	phenyl	2-(N-piperazinyl-methyl)phenyl
15	843	CONH ₂	phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	844	CONH ₂	phenyl	2-(N-imidazolyl-methyl)phenyl
	845	CONH ₂	phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
20	846	CONH ₂	phenyl	2-(N-pyridonyl-methyl)phenyl
	847	CONH ₂	phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	848	CONH ₂	phenyl	2-(amidinyl)phenyl
	849	CONH ₂	phenyl	2-(N-guanidinyl)phenyl
25	850	CONH ₂	phenyl	2-(imidazolyl)phenyl
	851	CONH ₂	phenyl	2-(imidazolidinyl)phenyl
	852	CONH ₂	phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	853	CONH ₂	phenyl	2-(2-pyrrolidinyl)phenyl
30	854	CONH ₂	phenyl	2-(2-piperidinyl)phenyl
	855	CONH ₂	phenyl	2-(amidinyl-methyl)phenyl
	856	CONH ₂	phenyl	2-(2-imidazolidinyl-methyl)phenyl
	857	CONH ₂	phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
35	858	CONH ₂	phenyl	2-dimethylaminoimidazol-1-yl
	859	CONH ₂	phenyl	2-(3-aminophenyl)
	860	CONH ₂	phenyl	2-(3-pyrrolidinylcarbonyl)
	861	CONH ₂	phenyl	2-glycinoyl
40	862	CONH ₂	phenyl	2-(imidazol-1-ylacetyl)
	863	CONH ₂	2-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	864	CONH ₂	2-pyridyl	2-(N-piperidinyl-methyl)phenyl
	865	CONH ₂	2-pyridyl	2-(N-morpholino-methyl)phenyl
	866	CONH ₂	2-pyridyl	2-(N,N'-methylmorpholinium-methyl)phenyl
45	867	CONH ₂	2-pyridyl	2-(N-pyridinium-methyl)phenyl
	868	CONH ₂	2-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	869	CONH ₂	2-pyridyl	2-(N-azatanyl-methyl)phenyl
50	870	CONH ₂	2-pyridyl	2-(N-azetidiny-methyl)phenyl
	871	CONH ₂	2-pyridyl	2-(N-piperazinyl-methyl)phenyl
	872	CONH ₂	2-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl

	873	CONH ₂	2-pyridyl	2-(N-imidazolyl-methyl)phenyl
	874	CONH ₂	2-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	875	CONH ₂	2-pyridyl	2-(N-pyridonyl-methyl)phenyl
5	876	CONH ₂	2-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	877	CONH ₂	2-pyridyl	2-(amidinyl)phenyl
	878	CONH ₂	2-pyridyl	2-(N-guanidinyl)phenyl
	879	CONH ₂	2-pyridyl	2-(imidazolyl)phenyl
10	880	CONH ₂	2-pyridyl	2-(imidazolidinyl)phenyl
	881	CONH ₂	2-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	882	CONH ₂	2-pyridyl	2-(2-pyrrolidinyl)phenyl
	883	CONH ₂	2-pyridyl	2-(2-piperidinyl)phenyl
15	884	CONH ₂	2-pyridyl	2-(amidinyl-methyl)phenyl
	885	CONH ₂	2-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
	886	CONH ₂	2-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
20	887	CONH ₂	2-pyridyl	2-dimethylaminoimidazol-1-yl
	888	CONH ₂	2-pyridyl	2-(3-aminophenyl)
	889	CONH ₂	2-pyridyl	2-(3-pyrrolidinylcarbonyl)
	890	CONH ₂	2-pyridyl	2-glycinoyl
	891	CONH ₂	2-pyridyl	2-(imidazol-1-ylacetyl)
25	892	CONH ₂	3-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	893	CONH ₂	3-pyridyl	2-(N-piperidinyl-methyl)phenyl
	894	CONH ₂	3-pyridyl	2-(N-morpholino-methyl)phenyl
	895	CONH ₂	3-pyridyl	2-(N,N'-methylmorpholinium-methyl)phenyl
30	896	CONH ₂	3-pyridyl	2-(N-pyridinium-methyl)phenyl
	897	CONH ₂	3-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	898	CONH ₂	3-pyridyl	2-(N-azatanyl-methyl)phenyl
	899	CONH ₂	3-pyridyl	2-(N-azetidiny-methyl)phenyl
35	900	CONH ₂	3-pyridyl	2-(N-piperazinyl-methyl)phenyl
	901	CONH ₂	3-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	902	CONH ₂	3-pyridyl	2-(N-imidazolyl-methyl)phenyl
40	903	CONH ₂	3-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	904	CONH ₂	3-pyridyl	2-(N-pyridonyl-methyl)phenyl
	905	CONH ₂	3-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	906	CONH ₂	3-pyridyl	2-(amidinyl)phenyl
45	907	CONH ₂	3-pyridyl	2-(N-guanidinyl)phenyl
	908	CONH ₂	3-pyridyl	2-(imidazolyl)phenyl
	909	CONH ₂	3-pyridyl	2-(imidazolidinyl)phenyl
	910	CONH ₂	3-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
50	911	CONH ₂	3-pyridyl	2-(2-pyrrolidinyl)phenyl
	912	CONH ₂	3-pyridyl	2-(2-piperidinyl)phenyl
	913	CONH ₂	3-pyridyl	2-(amidinyl-methyl)phenyl
	914	CONH ₂	3-pyridyl	2-(2-imidazolidinyl-

				methyl)phenyl
	915	CONH ₂	3-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	916	CONH ₂	3-pyridyl	2-dimethylaminoimidazol-1-yl
5	917	CONH ₂	3-pyridyl	2-(3-aminophenyl)
	918	CONH ₂	3-pyridyl	2-(3-pyrrolidinylcarbonyl)
	919	CONH ₂	3-pyridyl	2-glycinoyl
	920	CONH ₂	3-pyridyl	2-(imidazol-1-ylacetyl)
	921	CONH ₂	2-pyrimidyl	2-(N-pyrrolidinyl-methyl)phenyl
10	922	CONH ₂	2-pyrimidyl	2-(N-piperidinyl-methyl)phenyl
	923	CONH ₂	2-pyrimidyl	2-(N-morpholino-methyl)phenyl
	924	CONH ₂	2-pyrimidyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
	925	CONH ₂	2-pyrimidyl	2-(N-pyridinium-methyl)phenyl
15	926	CONH ₂	2-pyrimidyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	927	CONH ₂	2-pyrimidyl	2-(N-azatanyl-methyl)phenyl
	928	CONH ₂	2-pyrimidyl	2-(N-azetidiny-methyl)phenyl
	929	CONH ₂	2-pyrimidyl	2-(N-piperazinyl-methyl)phenyl
20	930	CONH ₂	2-pyrimidyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	931	CONH ₂	2-pyrimidyl	2-(N-imidazolyl-methyl)phenyl
	932	CONH ₂	2-pyrimidyl	2-(N-methoxy-N-methylamino-methyl)phenyl
25	933	CONH ₂	2-pyrimidyl	2-(N-pyridonyl-methyl)phenyl
	934	CONH ₂	2-pyrimidyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	935	CONH ₂	2-pyrimidyl	2-(amidinyl)phenyl
	936	CONH ₂	2-pyrimidyl	2-(N-guanidinyl)phenyl
30	937	CONH ₂	2-pyrimidyl	2-(imidazolyl)phenyl
	938	CONH ₂	2-pyrimidyl	2-(imidazolidinyl)phenyl
	939	CONH ₂	2-pyrimidyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	940	CONH ₂	2-pyrimidyl	2-(2-pyrrolidinyl)phenyl
35	941	CONH ₂	2-pyrimidyl	2-(2-piperidinyl)phenyl
	942	CONH ₂	2-pyrimidyl	2-(amidinyl-methyl)phenyl
	943	CONH ₂	2-pyrimidyl	2-(2-imidazolidinyl-methyl)phenyl
	944	CONH ₂	2-pyrimidyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
40	945	CONH ₂	2-pyrimidyl	2-dimethylaminoimidazol-1-yl
	946	CONH ₂	2-pyrimidyl	2-(3-aminophenyl)
	947	CONH ₂	2-pyrimidyl	2-(3-pyrrolidinylcarbonyl)
	948	CONH ₂	2-pyrimidyl	2-glycinoyl
45	949	CONH ₂	2-pyrimidyl	2-(imidazol-1-ylacetyl)
	950	CONH ₂	2-Cl-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	951	CONH ₂	2-Cl-phenyl	2-(N-piperidinyl-methyl)phenyl
	952	CONH ₂	2-Cl-phenyl	2-(N-morpholino-methyl)phenyl
	953	CONH ₂	2-Cl-phenyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
50	954	CONH ₂	2-Cl-phenyl	2-(N-pyridinium-methyl)phenyl
	955	CONH ₂	2-Cl-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl

5	956	CONH ₂	2-Cl-phenyl	2-(N-azatanyl-methyl)phenyl
	957	CONH ₂	2-Cl-phenyl	2-(N-azetidiny1-methyl)phenyl
	958	CONH ₂	2-Cl-phenyl	2-(N-piperazinyl-methyl)phenyl
	959	CONH ₂	2-Cl-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	960	CONH ₂	2-Cl-phenyl	2-(N-imidazolyl-methyl)phenyl
10	961	CONH ₂	2-Cl-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	962	CONH ₂	2-Cl-phenyl	2-(N-pyridonyl-methyl)phenyl
	963	CONH ₂	2-Cl-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	964	CONH ₂	2-Cl-phenyl	2-(amidinyl)phenyl
	965	CONH ₂	2-Cl-phenyl	2-(N-guanidinyl)phenyl
15	966	CONH ₂	2-Cl-phenyl	2-(imidazolyl)phenyl
	967	CONH ₂	2-Cl-phenyl	2-(imidazolidinyl)phenyl
	968	CONH ₂	2-Cl-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	969	CONH ₂	2-Cl-phenyl	2-(2-pyrrolidinyl)phenyl
	970	CONH ₂	2-Cl-phenyl	2-(2-piperidinyl)phenyl
20	971	CONH ₂	2-Cl-phenyl	2-(amidinyl-methyl)phenyl
	972	CONH ₂	2-Cl-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	973	CONH ₂	2-Cl-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	974	CONH ₂	2-Cl-phenyl	2-dimethylaminoimidazol-1-yl
	975	CONH ₂	2-Cl-phenyl	2-(3-aminophenyl)
30	976	CONH ₂	2-Cl-phenyl	2-(3-pyrrolidinylcarbonyl)
	977	CONH ₂	2-Cl-phenyl	2-glycinoyl
	978	CONH ₂	2-Cl-phenyl	2-(imidazol-1-ylacetyl)
	979	CONH ₂	2-F-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	980	CONH ₂	2-F-phenyl	2-(N-piperidinyl-methyl)phenyl
35	981	CONH ₂	2-F-phenyl	2-(N-morpholino-methyl)phenyl
	982	CONH ₂	2-F-phenyl	2-(N,N'-methy1morpholinium-methyl)phenyl
	983	CONH ₂	2-F-phenyl	2-(N-pyridinium-methyl)phenyl
	984	CONH ₂	2-F-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	985	CONH ₂	2-F-phenyl	2-(N-azatanyl-methyl)phenyl
40	986	CONH ₂	2-F-phenyl	2-(N-azetidiny1-methyl)phenyl
	987	CONH ₂	2-F-phenyl	2-(N-piperazinyl-methyl)phenyl
	988	CONH ₂	2-F-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	989	CONH ₂	2-F-phenyl	2-(N-imidazolyl-methyl)phenyl
	990	CONH ₂	2-F-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
45	991	CONH ₂	2-F-phenyl	2-(N-pyridonyl-methyl)phenyl
	992	CONH ₂	2-F-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	993	CONH ₂	2-F-phenyl	2-(amidinyl)phenyl
	994	CONH ₂	2-F-phenyl	2-(N-guanidinyl)phenyl
	995	CONH ₂	2-F-phenyl	2-(imidazolyl)phenyl
50	996	CONH ₂	2-F-phenyl	2-(imidazolidinyl)phenyl
	997	CONH ₂	2-F-phenyl	2-(2-imidazolidinyl-

				sulfonyl)phenyl
	998	CONH ₂	2-F-phenyl	2-(2-pyrrolidinyl)phenyl
	999	CONH ₂	2-F-phenyl	2-(2-piperidinyl)phenyl
	1000	CONH ₂	2-F-phenyl	2-(amidinyl-methyl)phenyl
5	1001	CONH ₂	2-F-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	1002	CONH ₂	2-F-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1003	CONH ₂	2-F-phenyl	2-dimethylaminoimidazol-1-yl
10	1004	CONH ₂	2-F-phenyl	2-(3-aminophenyl)
	1005	CONH ₂	2-F-phenyl	2-(3-pyrrolidinylcarbonyl)
	1006	CONH ₂	2-F-phenyl	2-glycinoyl
	1007	CONH ₂	2-F-phenyl	2-(imidazol-1-ylacetyl)
	1008	CONH ₂	2,5-diF-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
15	1009	CONH ₂	2,5-diF-phenyl	2-(N-piperidinyl-methyl)phenyl
	1010	CONH ₂	2,5-diF-phenyl	2-(N-morpholino-methyl)phenyl
	1011	CONH ₂	2,5-diF-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1012	CONH ₂	2,5-diF-phenyl	2-(N-pyridinium-methyl)phenyl
20	1013	CONH ₂	2,5-diF-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1014	CONH ₂	2,5-diF-phenyl	2-(N-azatanyl-methyl)phenyl
	1015	CONH ₂	2,5-diF-phenyl	2-(N-azetidyl-methyl)phenyl
	1016	CONH ₂	2,5-diF-phenyl	2-(N-piperazinyl-methyl)phenyl
25	1017	CONH ₂	2,5-diF-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1018	CONH ₂	2,5-diF-phenyl	2-(N-imidazolyl-methyl)phenyl
	1019	CONH ₂	2,5-diF-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
30	1020	CONH ₂	2,5-diF-phenyl	2-(N-pyridonyl-methyl)phenyl
	1021	CONH ₂	2,5-diF-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1022	CONH ₂	2,5-diF-phenyl	2-(amidinyl)phenyl
	1023	CONH ₂	2,5-diF-phenyl	2-(N-guanidinyl)phenyl
35	1024	CONH ₂	2,5-diF-phenyl	2-(imidazolyl)phenyl
	1025	CONH ₂	2,5-diF-phenyl	2-(imidazolidinyl)phenyl
	1026	CONH ₂	2,5-diF-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1027	CONH ₂	2,5-diF-phenyl	2-(2-pyrrolidinyl)phenyl
40	1028	CONH ₂	2,5-diF-phenyl	2-(2-piperidinyl)phenyl
	1029	CONH ₂	2,5-diF-phenyl	2-(amidinyl-methyl)phenyl
	1030	CONH ₂	2,5-diF-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	1031	CONH ₂	2,5-diF-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
45	1032	CONH ₂	2,5-diF-phenyl	2-dimethylaminoimidazol-1-yl
	1033	CONH ₂	2,5-diF-phenyl	2-(3-aminophenyl)
	1034	CONH ₂	2,5-diF-phenyl	2-(3-pyrrolidinylcarbonyl)
	1035	CONH ₂	2,5-diF-phenyl	2-glycinoyl
50	1036	CONH ₂	2,5-diF-phenyl	2-(imidazol-1-ylacetyl)
	1037	SCH ₃	phenyl	2-(aminosulfonyl)phenyl
	1038	SCH ₃	phenyl	2-(methylaminosulfonyl)phenyl
	1039	SCH ₃	phenyl	1-pyrrolidinocarbonyl

	1040	SCH ₃	phenyl	2-(methylsulfonyl)phenyl
	1041	SCH ₃	phenyl	4-morpholino
	1042	SCH ₃	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1043	SCH ₃	phenyl	4-morpholinocarbonyl
5	1044	SCH ₃	2-pyridyl	2-(aminosulfonyl)phenyl
	1045	SCH ₃	2-pyridyl	2-(methylaminosulfonyl)phenyl
	1046	SCH ₃	2-pyridyl	1-pyrrolidinocarbonyl
	1047	SCH ₃	2-pyridyl	2-(methylsulfonyl)phenyl
	1048	SCH ₃	2-pyridyl	4-morpholino
10	1049	SCH ₃	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1050	SCH ₃	2-pyridyl	4-morpholinocarbonyl
	1051	SCH ₃	3-pyridyl	2-(aminosulfonyl)phenyl
	1052	SCH ₃	3-pyridyl	2-(methylaminosulfonyl)phenyl
	1053	SCH ₃	3-pyridyl	1-pyrrolidinocarbonyl
15	1054	SCH ₃	3-pyridyl	2-(methylsulfonyl)phenyl
	1055	SCH ₃	3-pyridyl	4-morpholino
	1056	SCH ₃	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1057	SCH ₃	3-pyridyl	4-morpholinocarbonyl
	1058	SCH ₃	2-pyrimidyl	2-(aminosulfonyl)phenyl
20	1059	SCH ₃	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
	1060	SCH ₃	2-pyrimidyl	1-pyrrolidinocarbonyl
	1061	SCH ₃	2-pyrimidyl	2-(methylsulfonyl)phenyl
	1062	SCH ₃	2-pyrimidyl	4-morpholino
	1063	SCH ₃	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
25	1064	SCH ₃	2-pyrimidyl	4-morpholinocarbonyl
	1065	SCH ₃	5-pyrimidyl	2-(aminosulfonyl)phenyl
	1066	SCH ₃	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
	1067	SCH ₃	5-pyrimidyl	1-pyrrolidinocarbonyl
	1068	SCH ₃	5-pyrimidyl	2-(methylsulfonyl)phenyl
30	1069	SCH ₃	5-pyrimidyl	4-morpholino
	1070	SCH ₃	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1071	SCH ₃	5-pyrimidyl	4-morpholinocarbonyl
	1072	SCH ₃	2-Cl-phenyl	2-(aminosulfonyl)phenyl
	1073	SCH ₃	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
35	1074	SCH ₃	2-Cl-phenyl	1-pyrrolidinocarbonyl
	1075	SCH ₃	2-Cl-phenyl	2-(methylsulfonyl)phenyl
	1076	SCH ₃	2-Cl-phenyl	4-morpholino
	1077	SCH ₃	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1078	SCH ₃	2-Cl-phenyl	4-morpholinocarbonyl
40	1079	SCH ₃	2-F-phenyl	2-(aminosulfonyl)phenyl
	1080	SCH ₃	2-F-phenyl	2-(methylaminosulfonyl)phenyl
	1081	SCH ₃	2-F-phenyl	1-pyrrolidinocarbonyl
	1082	SCH ₃	2-F-phenyl	2-(methylsulfonyl)phenyl
	1083	SCH ₃	2-F-phenyl	4-morpholino
45	1084	SCH ₃	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1085	SCH ₃	2-F-phenyl	4-morpholinocarbonyl
	1086	SCH ₃	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	1087	SCH ₃	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl
	1088	SCH ₃	2,5-diF-phenyl	1-pyrrolidinocarbonyl
50	1089	SCH ₃	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
	1090	SCH ₃	2,5-diF-phenyl	4-morpholino
	1091	SCH ₃	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl

	1092	SCH ₃	2,5-diF-phenyl	4-morpholinocarbonyl
	1093	SCH ₃	phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	1094	SCH ₃	phenyl	2-(N-piperidinyl-methyl)phenyl
	1095	SCH ₃	phenyl	2-(N-morpholino-methyl)phenyl
5	1096	SCH ₃	phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1097	SCH ₃	phenyl	2-(N-pyridinium-methyl)phenyl
	1098	SCH ₃	phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
10	1099	SCH ₃	phenyl	2-(N-azatanyl-methyl)phenyl
	1100	SCH ₃	phenyl	2-(N-azetidiny-methyl)phenyl
	1101	SCH ₃	phenyl	2-(N-piperazinyl-methyl)phenyl
	1102	SCH ₃	phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
15	1103	SCH ₃	phenyl	2-(N-imidazolyl-methyl)phenyl
	1104	SCH ₃	phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1105	SCH ₃	phenyl	2-(N-pyridonyl-methyl)phenyl
20	1106	SCH ₃	phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1107	SCH ₃	phenyl	2-(amidinyl)phenyl
	1108	SCH ₃	phenyl	2-(N-guanidinyl)phenyl
	1109	SCH ₃	phenyl	2-(imidazolyl)phenyl
	1110	SCH ₃	phenyl	2-(imidazolidinyl)phenyl
25	1111	SCH ₃	phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1112	SCH ₃	phenyl	2-(2-pyrrolidinyl)phenyl
	1113	SCH ₃	phenyl	2-(2-piperidinyl)phenyl
	1114	SCH ₃	phenyl	2-(amidinyl-methyl)phenyl
30	1115	SCH ₃	phenyl	2-(2-imidazolidinyl-methyl)phenyl
	1116	SCH ₃	phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1117	SCH ₃	phenyl	2-dimethylaminoimidazol-1-yl
35	1118	SCH ₃	phenyl	2-(3-aminophenyl)
	1119	SCH ₃	phenyl	2-(3-pyrrolidinylcarbonyl)
	1120	SCH ₃	phenyl	2-glycinoyl
	1121	SCH ₃	phenyl	2-(imidazol-1-ylacetyl)
	1122	SCH ₃	2-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
40	1123	SCH ₃	2-pyridyl	2-(N-piperidinyl-methyl)phenyl
	1124	SCH ₃	2-pyridyl	2-(N-morpholino-methyl)phenyl
	1125	SCH ₃	2-pyridyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1126	SCH ₃	2-pyridyl	2-(N-pyridinium-methyl)phenyl
45	1127	SCH ₃	2-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1128	SCH ₃	2-pyridyl	2-(N-azatanyl-methyl)phenyl
	1129	SCH ₃	2-pyridyl	2-(N-azetidiny-methyl)phenyl
	1130	SCH ₃	2-pyridyl	2-(N-piperazinyl-methyl)phenyl
50	1131	SCH ₃	2-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1132	SCH ₃	2-pyridyl	2-(N-imidazolyl-methyl)phenyl
	1133	SCH ₃	2-pyridyl	2-(N-methoxy-N-methylamino-

				methyl)phenyl
	1134	SCH ₃	2-pyridyl	2-(N-pyridonyl-methyl)phenyl
	1135	SCH ₃	2-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
5	1136	SCH ₃	2-pyridyl	2-(amidinyl)phenyl
	1137	SCH ₃	2-pyridyl	2-(N-guanidinyl)phenyl
	1138	SCH ₃	2-pyridyl	2-(imidazolyl)phenyl
	1139	SCH ₃	2-pyridyl	2-(imidazolidinyl)phenyl
	1140	SCH ₃	2-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
10	1141	SCH ₃	2-pyridyl	2-(2-pyrrolidinyl)phenyl
	1142	SCH ₃	2-pyridyl	2-(2-piperidinyl)phenyl
	1143	SCH ₃	2-pyridyl	2-(amidinyl-methyl)phenyl
	1144	SCH ₃	2-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
15	1145	SCH ₃	2-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1146	SCH ₃	2-pyridyl	2-dimethylaminoimidazol-1-yl
	1147	SCH ₃	2-pyridyl	2-(3-aminophenyl)
20	1148	SCH ₃	2-pyridyl	2-(3-pyrrolidinylcarbonyl)
	1149	SCH ₃	2-pyridyl	2-glycinoyl
	1150	SCH ₃	2-pyridyl	2-(imidazol-1-ylacetyl)
	1151	SCH ₃	3-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	1152	SCH ₃	3-pyridyl	2-(N-piperidinyl-methyl)phenyl
25	1153	SCH ₃	3-pyridyl	2-(N-morpholino-methyl)phenyl
	1154	SCH ₃	3-pyridyl	2-(N,N'-methyldmorpholinium-methyl)phenyl
	1155	SCH ₃	3-pyridyl	2-(N-pyridinium-methyl)phenyl
	1156	SCH ₃	3-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
30	1157	SCH ₃	3-pyridyl	2-(N-azatanyl-methyl)phenyl
	1158	SCH ₃	3-pyridyl	2-(N-azetidiny-methyl)phenyl
	1159	SCH ₃	3-pyridyl	2-(N-piperazinyl-methyl)phenyl
	1160	SCH ₃	3-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
35	1161	SCH ₃	3-pyridyl	2-(N-imidazolyl-methyl)phenyl
	1162	SCH ₃	3-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1163	SCH ₃	3-pyridyl	2-(N-pyridonyl-methyl)phenyl
40	1164	SCH ₃	3-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1165	SCH ₃	3-pyridyl	2-(amidinyl)phenyl
	1166	SCH ₃	3-pyridyl	2-(N-guanidinyl)phenyl
	1167	SCH ₃	3-pyridyl	2-(imidazolyl)phenyl
45	1168	SCH ₃	3-pyridyl	2-(imidazolidinyl)phenyl
	1169	SCH ₃	3-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1170	SCH ₃	3-pyridyl	2-(2-pyrrolidinyl)phenyl
	1171	SCH ₃	3-pyridyl	2-(2-piperidinyl)phenyl
50	1172	SCH ₃	3-pyridyl	2-(amidinyl-methyl)phenyl
	1173	SCH ₃	3-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
	1174	SCH ₃	3-pyridyl	2-(N-(2-aminoimidazolyl)-

				methyl)phenyl
	1175	SCH ₃	3-pyridyl	2-dimethylaminoimidazol-1-yl
	1176	SCH ₃	3-pyridyl	2-(3-aminophenyl)
	1177	SCH ₃	3-pyridyl	2-(3-pyrrolidinylcarbonyl)
5	1178	SCH ₃	3-pyridyl	2-glycinoyl
	1179	SCH ₃	3-pyridyl	2-(imidazol-1-ylacetyl)
	1180	SCH ₃	2-pyrimidyl	2-(N-pyrrolidinyl-methyl)phenyl
	1181	SCH ₃	2-pyrimidyl	2-(N-piperidinyl-methyl)phenyl
	1182	SCH ₃	2-pyrimidyl	2-(N-morpholino-methyl)phenyl
10	1183	SCH ₃	2-pyrimidyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1184	SCH ₃	2-pyrimidyl	2-(N-pyridinium-methyl)phenyl
	1185	SCH ₃	2-pyrimidyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
15	1186	SCH ₃	2-pyrimidyl	2-(N-azatanyl-methyl)phenyl
	1187	SCH ₃	2-pyrimidyl	2-(N-azetidiny-methyl)phenyl
	1188	SCH ₃	2-pyrimidyl	2-(N-piperazinyl-methyl)phenyl
	1189	SCH ₃	2-pyrimidyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
20	1190	SCH ₃	2-pyrimidyl	2-(N-imidazolyl-methyl)phenyl
	1191	SCH ₃	2-pyrimidyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1192	SCH ₃	2-pyrimidyl	2-(N-pyridonyl-methyl)phenyl
	1193	SCH ₃	2-pyrimidyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
25	1194	SCH ₃	2-pyrimidyl	2-(amidinyl)phenyl
	1195	SCH ₃	2-pyrimidyl	2-(N-guanidinyl)phenyl
	1196	SCH ₃	2-pyrimidyl	2-(imidazolyl)phenyl
	1197	SCH ₃	2-pyrimidyl	2-(imidazolidinyl)phenyl
30	1198	SCH ₃	2-pyrimidyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1199	SCH ₃	2-pyrimidyl	2-(2-pyrrolidinyl)phenyl
	1200	SCH ₃	2-pyrimidyl	2-(2-piperidinyl)phenyl
	1201	SCH ₃	2-pyrimidyl	2-(amidinyl-methyl)phenyl
35	1202	SCH ₃	2-pyrimidyl	2-(2-imidazolidinyl-methyl)phenyl
	1203	SCH ₃	2-pyrimidyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1204	SCH ₃	2-pyrimidyl	2-dimethylaminoimidazol-1-yl
40	1205	SCH ₃	2-pyrimidyl	2-(3-aminophenyl)
	1206	SCH ₃	2-pyrimidyl	2-(3-pyrrolidinylcarbonyl)
	1207	SCH ₃	2-pyrimidyl	2-glycinoyl
	1208	SCH ₃	2-pyrimidyl	2-(imidazol-1-ylacetyl)
	1209	SCH ₃	2-Cl-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
45	1210	SCH ₃	2-Cl-phenyl	2-(N-piperidinyl-methyl)phenyl
	1211	SCH ₃	2-Cl-phenyl	2-(N-morpholino-methyl)phenyl
	1212	SCH ₃	2-Cl-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1213	SCH ₃	2-Cl-phenyl	2-(N-pyridinium-methyl)phenyl
50	1214	SCH ₃	2-Cl-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1215	SCH ₃	2-Cl-phenyl	2-(N-azatanyl-methyl)phenyl
	1216	SCH ₃	2-Cl-phenyl	2-(N-azetidiny-methyl)phenyl

	1217	SCH ₃	2-Cl-phenyl	2-(N-piperazinyl-methyl)phenyl
	1218	SCH ₃	2-Cl-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1219	SCH ₃	2-Cl-phenyl	2-(N-imidazolyl-methyl)phenyl
5	1220	SCH ₃	2-Cl-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1221	SCH ₃	2-Cl-phenyl	2-(N-pyridonyl-methyl)phenyl
	1222	SCH ₃	2-Cl-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
10	1223	SCH ₃	2-Cl-phenyl	2-(amidinyl)phenyl
	1224	SCH ₃	2-Cl-phenyl	2-(N-guanidinyl)phenyl
	1225	SCH ₃	2-Cl-phenyl	2-(imidazolyl)phenyl
	1226	SCH ₃	2-Cl-phenyl	2-(imidazolidinyl)phenyl
	1227	SCH ₃	2-Cl-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
15	1228	SCH ₃	2-Cl-phenyl	2-(2-pyrrolidinyl)phenyl
	1229	SCH ₃	2-Cl-phenyl	2-(2-piperidinyl)phenyl
	1230	SCH ₃	2-Cl-phenyl	2-(amidinyl-methyl)phenyl
	1231	SCH ₃	2-Cl-phenyl	2-(2-imidazolidinyl-methyl)phenyl
20	1232	SCH ₃	2-Cl-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1233	SCH ₃	2-Cl-phenyl	2-dimethylaminoimidazol-1-yl
	1234	SCH ₃	2-Cl-phenyl	2-(3-aminophenyl)
25	1235	SCH ₃	2-Cl-phenyl	2-(3-pyrrolidinylcarbonyl)
	1236	SCH ₃	2-Cl-phenyl	2-glycinoyl
	1237	SCH ₃	2-Cl-phenyl	2-(imidazol-1-ylacetyl)
	1238	SCH ₃	2-F-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	1239	SCH ₃	2-F-phenyl	2-(N-piperidinyl-methyl)phenyl
30	1240	SCH ₃	2-F-phenyl	2-(N-morpholino-methyl)phenyl
	1241	SCH ₃	2-F-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1242	SCH ₃	2-F-phenyl	2-(N-pyridinium-methyl)phenyl
	1243	SCH ₃	2-F-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
35	1244	SCH ₃	2-F-phenyl	2-(N-azatanyl-methyl)phenyl
	1245	SCH ₃	2-F-phenyl	2-(N-azetidiny-methyl)phenyl
	1246	SCH ₃	2-F-phenyl	2-(N-piperazinyl-methyl)phenyl
	1247	SCH ₃	2-F-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
40	1248	SCH ₃	2-F-phenyl	2-(N-imidazolyl-methyl)phenyl
	1249	SCH ₃	2-F-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1250	SCH ₃	2-F-phenyl	2-(N-pyridonyl-methyl)phenyl
45	1251	SCH ₃	2-F-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1252	SCH ₃	2-F-phenyl	2-(amidinyl)phenyl
	1253	SCH ₃	2-F-phenyl	2-(N-guanidinyl)phenyl
	1254	SCH ₃	2-F-phenyl	2-(imidazolyl)phenyl
50	1255	SCH ₃	2-F-phenyl	2-(imidazolidinyl)phenyl
	1256	SCH ₃	2-F-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1257	SCH ₃	2-F-phenyl	2-(2-pyrrolidinyl)phenyl

	1258	SCH ₃	2-F-phenyl	2-(2-piperidinyl)phenyl
	1259	SCH ₃	2-F-phenyl	2-(amidinyl-methyl)phenyl
	1260	SCH ₃	2-F-phenyl	2-(2-imidazolidinyl-methyl)phenyl
5	1261	SCH ₃	2-F-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1262	SCH ₃	2-F-phenyl	2-dimethylaminoimidazol-1-yl
	1263	SCH ₃	2-F-phenyl	2-(3-aminophenyl)
	1264	SCH ₃	2-F-phenyl	2-(3-pyrrolidinylcarbonyl)
10	1265	SCH ₃	2-F-phenyl	2-glycinoyl
	1266	SCH ₃	2-F-phenyl	2-(imidazol-1-ylacetyl)
	1267	SCH ₃	2,5-diF-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	1268	SCH ₃	2,5-diF-phenyl	2-(N-piperidinyl-methyl)phenyl
	1269	SCH ₃	2,5-diF-phenyl	2-(N-morpholino-methyl)phenyl
15	1270	SCH ₃	2,5-diF-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1271	SCH ₃	2,5-diF-phenyl	2-(N-pyridinium-methyl)phenyl
	1272	SCH ₃	2,5-diF-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
20	1273	SCH ₃	2,5-diF-phenyl	2-(N-azatanyl-methyl)phenyl
	1274	SCH ₃	2,5-diF-phenyl	2-(N-azetidiny-methyl)phenyl
	1275	SCH ₃	2,5-diF-phenyl	2-(N-piperazinyl-methyl)phenyl
	1276	SCH ₃	2,5-diF-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
25	1277	SCH ₃	2,5-diF-phenyl	2-(N-imidazolyl-methyl)phenyl
	1278	SCH ₃	2,5-diF-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1279	SCH ₃	2,5-diF-phenyl	2-(N-pyridonyl-methyl)phenyl
30	1280	SCH ₃	2,5-diF-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1281	SCH ₃	2,5-diF-phenyl	2-(amidinyl)phenyl
	1282	SCH ₃	2,5-diF-phenyl	2-(N-guanidinyl)phenyl
	1283	SCH ₃	2,5-diF-phenyl	2-(imidazolyl)phenyl
	1284	SCH ₃	2,5-diF-phenyl	2-(imidazolidinyl)phenyl
35	1285	SCH ₃	2,5-diF-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1286	SCH ₃	2,5-diF-phenyl	2-(2-pyrrolidinyl)phenyl
	1287	SCH ₃	2,5-diF-phenyl	2-(2-piperidinyl)phenyl
	1288	SCH ₃	2,5-diF-phenyl	2-(amidinyl-methyl)phenyl
40	1289	SCH ₃	2,5-diF-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	1290	SCH ₃	2,5-diF-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1291	SCH ₃	2,5-diF-phenyl	2-dimethylaminoimidazol-1-yl
45	1292	SCH ₃	2,5-diF-phenyl	2-(3-aminophenyl)
	1293	SCH ₃	2,5-diF-phenyl	2-(3-pyrrolidinylcarbonyl)
	1294	SCH ₃	2,5-diF-phenyl	2-glycinoyl
	1295	SCH ₃	2,5-diF-phenyl	2-(imidazol-1-ylacetyl)
	1296	SO ₂ CH ₃	phenyl	2-(aminosulfonyl)phenyl
50	1297	SO ₂ CH ₃	phenyl	2-(methylaminosulfonyl)phenyl
	1298	SO ₂ CH ₃	phenyl	1-pyrrolidinocarbonyl
	1299	SO ₂ CH ₃	phenyl	2-(methylsulfonyl)phenyl
	1300	SO ₂ CH ₃	phenyl	4-morpholino

	1301	SO ₂ CH ₃	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1302	SO ₂ CH ₃	phenyl	4-morpholinocarbonyl
	1303	SO ₂ CH ₃	2-pyridyl	2-(aminosulfonyl)phenyl
	1304	SO ₂ CH ₃	2-pyridyl	2-(methylaminosulfonyl)phenyl
5	1305	SO ₂ CH ₃	2-pyridyl	1-pyrrolidinocarbonyl
	1306	SO ₂ CH ₃	2-pyridyl	2-(methylsulfonyl)phenyl
	1307	SO ₂ CH ₃	2-pyridyl	4-morpholino
	1308	SO ₂ CH ₃	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1309	SO ₂ CH ₃	2-pyridyl	4-morpholinocarbonyl
10	1310	SO ₂ CH ₃	3-pyridyl	2-(aminosulfonyl)phenyl
	1311	SO ₂ CH ₃	3-pyridyl	2-(methylaminosulfonyl)phenyl
	1312	SO ₂ CH ₃	3-pyridyl	1-pyrrolidinocarbonyl
	1313	SO ₂ CH ₃	3-pyridyl	2-(methylsulfonyl)phenyl
	1314	SO ₂ CH ₃	3-pyridyl	4-morpholino
15	1315	SO ₂ CH ₃	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1316	SO ₂ CH ₃	3-pyridyl	4-morpholinocarbonyl
	1317	SO ₂ CH ₃	2-pyrimidyl	2-(aminosulfonyl)phenyl
	1318	SO ₂ CH ₃	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
	1319	SO ₂ CH ₃	2-pyrimidyl	1-pyrrolidinocarbonyl
20	1320	SO ₂ CH ₃	2-pyrimidyl	2-(methylsulfonyl)phenyl
	1321	SO ₂ CH ₃	2-pyrimidyl	4-morpholino
	1322	SO ₂ CH ₃	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1323	SO ₂ CH ₃	2-pyrimidyl	4-morpholinocarbonyl
	1324	SO ₂ CH ₃	5-pyrimidyl	2-(aminosulfonyl)phenyl
25	1325	SO ₂ CH ₃	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
	1326	SO ₂ CH ₃	5-pyrimidyl	1-pyrrolidinocarbonyl
	1327	SO ₂ CH ₃	5-pyrimidyl	2-(methylsulfonyl)phenyl
	1328	SO ₂ CH ₃	5-pyrimidyl	4-morpholino
	1329	SO ₂ CH ₃	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
30	1330	SO ₂ CH ₃	5-pyrimidyl	4-morpholinocarbonyl
	1331	SO ₂ CH ₃	2-Cl-phenyl	2-(aminosulfonyl)phenyl
	1332	SO ₂ CH ₃	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
	1333	SO ₂ CH ₃	2-Cl-phenyl	1-pyrrolidinocarbonyl
	1334	SO ₂ CH ₃	2-Cl-phenyl	2-(methylsulfonyl)phenyl
35	1335	SO ₂ CH ₃	2-Cl-phenyl	4-morpholino
	1336	SO ₂ CH ₃	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1337	SO ₂ CH ₃	2-Cl-phenyl	4-morpholinocarbonyl
	1338	SO ₂ CH ₃	2-F-phenyl	2-(aminosulfonyl)phenyl
	1339	SO ₂ CH ₃	2-F-phenyl	2-(methylaminosulfonyl)phenyl
40	1340	SO ₂ CH ₃	2-F-phenyl	1-pyrrolidinocarbonyl
	1341	SO ₂ CH ₃	2-F-phenyl	2-(methylsulfonyl)phenyl
	1342	SO ₂ CH ₃	2-F-phenyl	4-morpholino
	1343	SO ₂ CH ₃	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1344	SO ₂ CH ₃	2-F-phenyl	4-morpholinocarbonyl
45	1345	SO ₂ CH ₃	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	1346	SO ₂ CH ₃	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl
	1347	SO ₂ CH ₃	2,5-diF-phenyl	1-pyrrolidinocarbonyl
	1348	SO ₂ CH ₃	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
	1349	SO ₂ CH ₃	2,5-diF-phenyl	4-morpholino
50	1350	SO ₂ CH ₃	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1351	SO ₂ CH ₃	2,5-diF-phenyl	4-morpholinocarbonyl
	1352	SO ₂ CH ₃	phenyl	2-(N-pyrrolidinyl-methyl)phenyl

	1353	SO ₂ CH ₃	phenyl	2-(N-piperidinyl-methyl)phenyl
	1354	SO ₂ CH ₃	phenyl	2-(N-morpholino-methyl)phenyl
	1355	SO ₂ CH ₃	phenyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
5	1356	SO ₂ CH ₃	phenyl	2-(N-pyridinium-methyl)phenyl
	1357	SO ₂ CH ₃	phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1358	SO ₂ CH ₃	phenyl	2-(N-azatanyl-methyl)phenyl
	1359	SO ₂ CH ₃	phenyl	2-(N-azetidiny-methyl)phenyl
10	1360	SO ₂ CH ₃	phenyl	2-(N-piperazinyl-methyl)phenyl
	1361	SO ₂ CH ₃	phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1362	SO ₂ CH ₃	phenyl	2-(N-imidazolyl-methyl)phenyl
	1363	SO ₂ CH ₃	phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
15	1364	SO ₂ CH ₃	phenyl	2-(N-pyridonyl-methyl)phenyl
	1365	SO ₂ CH ₃	phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1366	SO ₂ CH ₃	phenyl	2-(amidinyl)phenyl
20	1367	SO ₂ CH ₃	phenyl	2-(N-guanidinyl)phenyl
	1368	SO ₂ CH ₃	phenyl	2-(imidazolyl)phenyl
	1369	SO ₂ CH ₃	phenyl	2-(imidazolidinyl)phenyl
	1370	SO ₂ CH ₃	phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
25	1371	SO ₂ CH ₃	phenyl	2-(2-pyrrolidinyl)phenyl
	1372	SO ₂ CH ₃	phenyl	2-(2-piperidinyl)phenyl
	1373	SO ₂ CH ₃	phenyl	2-(amidinyl-methyl)phenyl
	1374	SO ₂ CH ₃	phenyl	2-(2-imidazolidinyl-methyl)phenyl
30	1375	SO ₂ CH ₃	phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1376	SO ₂ CH ₃	phenyl	2-dimethylaminoimidazol-1-yl
	1377	SO ₂ CH ₃	phenyl	2-(3-aminophenyl)
	1378	SO ₂ CH ₃	phenyl	2-(3-pyrrolidinylcarbonyl)
35	1379	SO ₂ CH ₃	phenyl	2-glycinoyl
	1380	SO ₂ CH ₃	phenyl	2-(imidazol-1-ylacetyl)
	1381	SO ₂ CH ₃	2-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	1382	SO ₂ CH ₃	2-pyridyl	2-(N-piperidinyl-methyl)phenyl
	1383	SO ₂ CH ₃	2-pyridyl	2-(N-morpholino-methyl)phenyl
40	1384	SO ₂ CH ₃	2-pyridyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
	1385	SO ₂ CH ₃	2-pyridyl	2-(N-pyridinium-methyl)phenyl
	1386	SO ₂ CH ₃	2-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
45	1387	SO ₂ CH ₃	2-pyridyl	2-(N-azatanyl-methyl)phenyl
	1388	SO ₂ CH ₃	2-pyridyl	2-(N-azetidiny-methyl)phenyl
	1389	SO ₂ CH ₃	2-pyridyl	2-(N-piperazinyl-methyl)phenyl
	1390	SO ₂ CH ₃	2-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
50	1391	SO ₂ CH ₃	2-pyridyl	2-(N-imidazolyl-methyl)phenyl
	1392	SO ₂ CH ₃	2-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1393	SO ₂ CH ₃	2-pyridyl	2-(N-pyridonyl-methyl)phenyl

	1394	SO ₂ CH ₃	2-pyridyl	2-(N-(N',N'-dimethylhydrazinyl)-methyl)phenyl
	1395	SO ₂ CH ₃	2-pyridyl	2-(amidinyl)phenyl
	1396	SO ₂ CH ₃	2-pyridyl	2-(N-guanidinyl)phenyl
5	1397	SO ₂ CH ₃	2-pyridyl	2-(imidazolyl)phenyl
	1398	SO ₂ CH ₃	2-pyridyl	2-(imidazolidinyl)phenyl
	1399	SO ₂ CH ₃	2-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1400	SO ₂ CH ₃	2-pyridyl	2-(2-pyrrolidinyl)phenyl
10	1401	SO ₂ CH ₃	2-pyridyl	2-(2-piperidinyl)phenyl
	1402	SO ₂ CH ₃	2-pyridyl	2-(amidinyl-methyl)phenyl
	1403	SO ₂ CH ₃	2-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
	1404	SO ₂ CH ₃	2-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
15	1405	SO ₂ CH ₃	2-pyridyl	2-dimethylaminoimidazol-1-yl
	1406	SO ₂ CH ₃	2-pyridyl	2-(3-aminophenyl)
	1407	SO ₂ CH ₃	2-pyridyl	2-(3-pyrrolidinylcarbonyl)
	1408	SO ₂ CH ₃	2-pyridyl	2-glycinoyl
20	1409	SO ₂ CH ₃	2-pyridyl	2-(imidazol-1-ylacetyl)
	1410	SO ₂ CH ₃	3-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	1411	SO ₂ CH ₃	3-pyridyl	2-(N-piperidinyl-methyl)phenyl
	1412	SO ₂ CH ₃	3-pyridyl	2-(N-morpholino-methyl)phenyl
	1413	SO ₂ CH ₃	3-pyridyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
25	1414	SO ₂ CH ₃	3-pyridyl	2-(N-pyridinium-methyl)phenyl
	1415	SO ₂ CH ₃	3-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1416	SO ₂ CH ₃	3-pyridyl	2-(N-azatanyl-methyl)phenyl
30	1417	SO ₂ CH ₃	3-pyridyl	2-(N-azetidiny-methyl)phenyl
	1418	SO ₂ CH ₃	3-pyridyl	2-(N-piperazinyl-methyl)phenyl
	1419	SO ₂ CH ₃	3-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1420	SO ₂ CH ₃	3-pyridyl	2-(N-imidazolyl-methyl)phenyl
35	1421	SO ₂ CH ₃	3-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1422	SO ₂ CH ₃	3-pyridyl	2-(N-pyridonyl-methyl)phenyl
	1423	SO ₂ CH ₃	3-pyridyl	2-(N-(N',N'-dimethylhydrazinyl)-methyl)phenyl
40	1424	SO ₂ CH ₃	3-pyridyl	2-(amidinyl)phenyl
	1425	SO ₂ CH ₃	3-pyridyl	2-(N-guanidinyl)phenyl
	1426	SO ₂ CH ₃	3-pyridyl	2-(imidazolyl)phenyl
	1427	SO ₂ CH ₃	3-pyridyl	2-(imidazolidinyl)phenyl
	1428	SO ₂ CH ₃	3-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
45	1429	SO ₂ CH ₃	3-pyridyl	2-(2-pyrrolidinyl)phenyl
	1430	SO ₂ CH ₃	3-pyridyl	2-(2-piperidinyl)phenyl
	1431	SO ₂ CH ₃	3-pyridyl	2-(amidinyl-methyl)phenyl
	1432	SO ₂ CH ₃	3-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
50	1433	SO ₂ CH ₃	3-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1434	SO ₂ CH ₃	3-pyridyl	2-dimethylaminoimidazol-1-yl

	1435	SO ₂ CH ₃	3-pyridyl	2-(3-aminophenyl)
	1436	SO ₂ CH ₃	3-pyridyl	2-(3-pyrrolidinylcarbonyl)
	1437	SO ₂ CH ₃	3-pyridyl	2-glycinoyl
	1438	SO ₂ CH ₃	3-pyridyl	2-(imidazol-1-ylacetyl)
5	1439	SO ₂ CH ₃	2-pyrimidyl	2-(N-pyrrolidinyl-methyl)phenyl
	1440	SO ₂ CH ₃	2-pyrimidyl	2-(N-piperidinyl-methyl)phenyl
	1441	SO ₂ CH ₃	2-pyrimidyl	2-(N-morpholino-methyl)phenyl
	1442	SO ₂ CH ₃	2-pyrimidyl	2-(N,N'-methylmorpholinium-methyl)phenyl
10	1443	SO ₂ CH ₃	2-pyrimidyl	2-(N-pyridinium-methyl)phenyl
	1444	SO ₂ CH ₃	2-pyrimidyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1445	SO ₂ CH ₃	2-pyrimidyl	2-(N-azatanyl-methyl)phenyl
	1446	SO ₂ CH ₃	2-pyrimidyl	2-(N-azetidiny-methyl)phenyl
15	1447	SO ₂ CH ₃	2-pyrimidyl	2-(N-piperazinyl-methyl)phenyl
	1448	SO ₂ CH ₃	2-pyrimidyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1449	SO ₂ CH ₃	2-pyrimidyl	2-(N-imidazolyl-methyl)phenyl
	1450	SO ₂ CH ₃	2-pyrimidyl	2-(N-methoxy-N-methylamino-methyl)phenyl
20	1451	SO ₂ CH ₃	2-pyrimidyl	2-(N-pyridonyl-methyl)phenyl
	1452	SO ₂ CH ₃	2-pyrimidyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1453	SO ₂ CH ₃	2-pyrimidyl	2-(amidinyl)phenyl
25	1454	SO ₂ CH ₃	2-pyrimidyl	2-(N-guanidinyl)phenyl
	1455	SO ₂ CH ₃	2-pyrimidyl	2-(imidazolyl)phenyl
	1456	SO ₂ CH ₃	2-pyrimidyl	2-(imidazolidinyl)phenyl
	1457	SO ₂ CH ₃	2-pyrimidyl	2-(2-imidazolidinyl-sulfonyl)phenyl
30	1458	SO ₂ CH ₃	2-pyrimidyl	2-(2-pyrrolidinyl)phenyl
	1459	SO ₂ CH ₃	2-pyrimidyl	2-(2-piperidinyl)phenyl
	1460	SO ₂ CH ₃	2-pyrimidyl	2-(amidinyl-methyl)phenyl
	1461	SO ₂ CH ₃	2-pyrimidyl	2-(2-imidazolidinyl-methyl)phenyl
35	1462	SO ₂ CH ₃	2-pyrimidyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1463	SO ₂ CH ₃	2-pyrimidyl	2-dimethylaminoimidazol-1-yl
	1464	SO ₂ CH ₃	2-pyrimidyl	2-(3-aminophenyl)
	1465	SO ₂ CH ₃	2-pyrimidyl	2-(3-pyrrolidinylcarbonyl)
40	1466	SO ₂ CH ₃	2-pyrimidyl	2-glycinoyl
	1467	SO ₂ CH ₃	2-pyrimidyl	2-(imidazol-1-ylacetyl)
	1468	SO ₂ CH ₃	2-Cl-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	1469	SO ₂ CH ₃	2-Cl-phenyl	2-(N-piperidinyl-methyl)phenyl
	1470	SO ₂ CH ₃	2-Cl-phenyl	2-(N-morpholino-methyl)phenyl
45	1471	SO ₂ CH ₃	2-Cl-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1472	SO ₂ CH ₃	2-Cl-phenyl	2-(N-pyridinium-methyl)phenyl
	1473	SO ₂ CH ₃	2-Cl-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
50	1474	SO ₂ CH ₃	2-Cl-phenyl	2-(N-azatanyl-methyl)phenyl
	1475	SO ₂ CH ₃	2-Cl-phenyl	2-(N-azetidiny-methyl)phenyl
	1476	SO ₂ CH ₃	2-Cl-phenyl	2-(N-piperazinyl-methyl)phenyl
	1477	SO ₂ CH ₃	2-Cl-phenyl	2-(N,N'-BOC-piperazinyl-

				methyl)phenyl
	1478	SO ₂ CH ₃	2-Cl-phenyl	2-(N-imidazolyl-methyl)phenyl
	1479	SO ₂ CH ₃	2-Cl-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
5	1480	SO ₂ CH ₃	2-Cl-phenyl	2-(N-pyridonyl-methyl)phenyl
	1481	SO ₂ CH ₃	2-Cl-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1482	SO ₂ CH ₃	2-Cl-phenyl	2-(amidinyl)phenyl
	1483	SO ₂ CH ₃	2-Cl-phenyl	2-(N-guanidinyl)phenyl
10	1484	SO ₂ CH ₃	2-Cl-phenyl	2-(imidazolyl)phenyl
	1485	SO ₂ CH ₃	2-Cl-phenyl	2-(imidazolidinyl)phenyl
	1486	SO ₂ CH ₃	2-Cl-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1487	SO ₂ CH ₃	2-Cl-phenyl	2-(2-pyrrolidinyl)phenyl
15	1488	SO ₂ CH ₃	2-Cl-phenyl	2-(2-piperidinyl)phenyl
	1489	SO ₂ CH ₃	2-Cl-phenyl	2-(amidinyl-methyl)phenyl
	1490	SO ₂ CH ₃	2-Cl-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	1491	SO ₂ CH ₃	2-Cl-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
20	1492	SO ₂ CH ₃	2-Cl-phenyl	2-dimethylaminoimidazol-1-yl
	1493	SO ₂ CH ₃	2-Cl-phenyl	2-(3-aminophenyl)
	1494	SO ₂ CH ₃	2-Cl-phenyl	2-(3-pyrrolidinylcarbonyl)
	1495	SO ₂ CH ₃	2-Cl-phenyl	2-glycinoyl
25	1496	SO ₂ CH ₃	2-Cl-phenyl	2-(imidazol-1-ylacetyl)
	1497	SO ₂ CH ₃	2-F-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	1498	SO ₂ CH ₃	2-F-phenyl	2-(N-piperidinyl-methyl)phenyl
	1499	SO ₂ CH ₃	2-F-phenyl	2-(N-morpholino-methyl)phenyl
	1500	SO ₂ CH ₃	2-F-phenyl	2-(N,N'-methyldmorpholinium-methyl)phenyl
30	1501	SO ₂ CH ₃	2-F-phenyl	2-(N-pyridinium-methyl)phenyl
	1502	SO ₂ CH ₃	2-F-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1503	SO ₂ CH ₃	2-F-phenyl	2-(N-azatanyl-methyl)phenyl
35	1504	SO ₂ CH ₃	2-F-phenyl	2-(N-azetidiny-methyl)phenyl
	1505	SO ₂ CH ₃	2-F-phenyl	2-(N-piperazinyl-methyl)phenyl
	1506	SO ₂ CH ₃	2-F-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1507	SO ₂ CH ₃	2-F-phenyl	2-(N-imidazolyl-methyl)phenyl
40	1508	SO ₂ CH ₃	2-F-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1509	SO ₂ CH ₃	2-F-phenyl	2-(N-pyridonyl-methyl)phenyl
	1510	SO ₂ CH ₃	2-F-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
45	1511	SO ₂ CH ₃	2-F-phenyl	2-(amidinyl)phenyl
	1512	SO ₂ CH ₃	2-F-phenyl	2-(N-guanidinyl)phenyl
	1513	SO ₂ CH ₃	2-F-phenyl	2-(imidazolyl)phenyl
	1514	SO ₂ CH ₃	2-F-phenyl	2-(imidazolidinyl)phenyl
	1515	SO ₂ CH ₃	2-F-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
50	1516	SO ₂ CH ₃	2-F-phenyl	2-(2-pyrrolidinyl)phenyl
	1517	SO ₂ CH ₃	2-F-phenyl	2-(2-piperidinyl)phenyl
	1518	SO ₂ CH ₃	2-F-phenyl	2-(amidinyl-methyl)phenyl

	1519	SO ₂ CH ₃	2-F-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	1520	SO ₂ CH ₃	2-F-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
5	1521	SO ₂ CH ₃	2-F-phenyl	2-dimethylaminoimidazol-1-yl
	1522	SO ₂ CH ₃	2-F-phenyl	2-(3-aminophenyl)
	1523	SO ₂ CH ₃	2-F-phenyl	2-(3-pyrrolidinylcarbonyl)
	1524	SO ₂ CH ₃	2-F-phenyl	2-glycinoyl
	1525	SO ₂ CH ₃	2-F-phenyl	2-(imidazol-1-ylacetyl)
10	1526	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	1527	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-piperidinyl-methyl)phenyl
	1528	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-morpholino-methyl)phenyl
	1529	SO ₂ CH ₃	2,5-diF-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
15	1530	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-pyridinium-methyl)phenyl
	1531	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1532	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-azatanyl-methyl)phenyl
	1533	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-azetidiny-methyl)phenyl
20	1534	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-piperazinyl-methyl)phenyl
	1535	SO ₂ CH ₃	2,5-diF-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1536	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-imidazolyl-methyl)phenyl
	1537	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
25	1538	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-pyridonyl-methyl)phenyl
	1539	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1540	SO ₂ CH ₃	2,5-diF-phenyl	2-(amidinyl)phenyl
30	1541	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-guanidinyl)phenyl
	1542	SO ₂ CH ₃	2,5-diF-phenyl	2-(imidazolyl)phenyl
	1543	SO ₂ CH ₃	2,5-diF-phenyl	2-(imidazolidinyl)phenyl
	1544	SO ₂ CH ₃	2,5-diF-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
35	1545	SO ₂ CH ₃	2,5-diF-phenyl	2-(2-pyrrolidinyl)phenyl
	1546	SO ₂ CH ₃	2,5-diF-phenyl	2-(2-piperidinyl)phenyl
	1547	SO ₂ CH ₃	2,5-diF-phenyl	2-(amidinyl-methyl)phenyl
	1548	SO ₂ CH ₃	2,5-diF-phenyl	2-(2-imidazolidinyl-methyl)phenyl
40	1549	SO ₂ CH ₃	2,5-diF-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1550	SO ₂ CH ₃	2,5-diF-phenyl	2-dimethylaminoimidazol-1-yl
	1551	SO ₂ CH ₃	2,5-diF-phenyl	2-(3-aminophenyl)
	1552	SO ₂ CH ₃	2,5-diF-phenyl	2-(3-pyrrolidinylcarbonyl)
45	1553	SO ₂ CH ₃	2,5-diF-phenyl	2-glycinoyl
	1554	SO ₂ CH ₃	2,5-diF-phenyl	2-(imidazol-1-ylacetyl)
	1555	NHSO ₂ CH ₃	phenyl	2-(aminosulfonyl)phenyl
	1556	NHSO ₂ CH ₃	phenyl	2-(methylaminosulfonyl)phenyl
	1557	NHSO ₂ CH ₃	phenyl	1-pyrrolidinocarbonyl
50	1558	NHSO ₂ CH ₃	phenyl	2-(methylsulfonyl)phenyl
	1559	NHSO ₂ CH ₃	phenyl	4-morpholino
	1560	NHSO ₂ CH ₃	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1561	NHSO ₂ CH ₃	phenyl	4-morpholinocarbonyl

	1562	NHSO ₂ CH ₃	2-pyridyl	2-(aminosulfonyl)phenyl
	1563	NHSO ₂ CH ₃	2-pyridyl	2-(methylaminosulfonyl)phenyl
	1564	NHSO ₂ CH ₃	2-pyridyl	1-pyrrolidinocarbonyl
	1565	NHSO ₂ CH ₃	2-pyridyl	2-(methylsulfonyl)phenyl
5	1566	NHSO ₂ CH ₃	2-pyridyl	4-morpholino
	1567	NHSO ₂ CH ₃	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1568	NHSO ₂ CH ₃	2-pyridyl	4-morpholinocarbonyl
	1569	NHSO ₂ CH ₃	3-pyridyl	2-(aminosulfonyl)phenyl
	1570	NHSO ₂ CH ₃	3-pyridyl	2-(methylaminosulfonyl)phenyl
10	1571	NHSO ₂ CH ₃	3-pyridyl	1-pyrrolidinocarbonyl
	1572	NHSO ₂ CH ₃	3-pyridyl	2-(methylsulfonyl)phenyl
	1573	NHSO ₂ CH ₃	3-pyridyl	4-morpholino
	1574	NHSO ₂ CH ₃	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1575	NHSO ₂ CH ₃	3-pyridyl	4-morpholinocarbonyl
15	1576	NHSO ₂ CH ₃	2-pyrimidyl	2-(aminosulfonyl)phenyl
	1577	NHSO ₂ CH ₃	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
	1578	NHSO ₂ CH ₃	2-pyrimidyl	1-pyrrolidinocarbonyl
	1579	NHSO ₂ CH ₃	2-pyrimidyl	2-(methylsulfonyl)phenyl
	1580	NHSO ₂ CH ₃	2-pyrimidyl	4-morpholino
20	1581	NHSO ₂ CH ₃	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1582	NHSO ₂ CH ₃	2-pyrimidyl	4-morpholinocarbonyl
	1583	NHSO ₂ CH ₃	5-pyrimidyl	2-(aminosulfonyl)phenyl
	1584	NHSO ₂ CH ₃	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
	1585	NHSO ₂ CH ₃	5-pyrimidyl	1-pyrrolidinocarbonyl
25	1586	NHSO ₂ CH ₃	5-pyrimidyl	2-(methylsulfonyl)phenyl
	1587	NHSO ₂ CH ₃	5-pyrimidyl	4-morpholino
	1588	NHSO ₂ CH ₃	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1589	NHSO ₂ CH ₃	5-pyrimidyl	4-morpholinocarbonyl
	1590	NHSO ₂ CH ₃	2-Cl-phenyl	2-(aminosulfonyl)phenyl
30	1591	NHSO ₂ CH ₃	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
	1592	NHSO ₂ CH ₃	2-Cl-phenyl	1-pyrrolidinocarbonyl
	1593	NHSO ₂ CH ₃	2-Cl-phenyl	2-(methylsulfonyl)phenyl
	1594	NHSO ₂ CH ₃	2-Cl-phenyl	4-morpholino
	1595	NHSO ₂ CH ₃	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
35	1596	NHSO ₂ CH ₃	2-Cl-phenyl	4-morpholinocarbonyl
	1597	NHSO ₂ CH ₃	2-F-phenyl	2-(aminosulfonyl)phenyl
	1598	NHSO ₂ CH ₃	2-F-phenyl	2-(methylaminosulfonyl)phenyl
	1599	NHSO ₂ CH ₃	2-F-phenyl	1-pyrrolidinocarbonyl
	1600	NHSO ₂ CH ₃	2-F-phenyl	2-(methylsulfonyl)phenyl
40	1601	NHSO ₂ CH ₃	2-F-phenyl	4-morpholino
	1602	NHSO ₂ CH ₃	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1603	NHSO ₂ CH ₃	2-F-phenyl	4-morpholinocarbonyl
	1604	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	1605	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl
45	1606	NHSO ₂ CH ₃	2,5-diF-phenyl	1-pyrrolidinocarbonyl
	1607	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
	1608	NHSO ₂ CH ₃	2,5-diF-phenyl	4-morpholino
	1609	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	1610	NHSO ₂ CH ₃	2,5-diF-phenyl	4-morpholinocarbonyl
50	1611	NHSO ₂ CH ₃	phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	1612	NHSO ₂ CH ₃	phenyl	2-(N-piperidinyl-methyl)phenyl
	1613	NHSO ₂ CH ₃	phenyl	2-(N-morpholino-methyl)phenyl

	1614	NHSO ₂ CH ₃	phenyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
	1615	NHSO ₂ CH ₃	phenyl	2-(N-pyridinium-methyl)phenyl
5	1616	NHSO ₂ CH ₃	phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1617	NHSO ₂ CH ₃	phenyl	2-(N-azatanyl-methyl)phenyl
	1618	NHSO ₂ CH ₃	phenyl	2-(N-azetidiny-methyl)phenyl
	1619	NHSO ₂ CH ₃	phenyl	2-(N-piperazinyl-methyl)phenyl
10	1620	NHSO ₂ CH ₃	phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1621	NHSO ₂ CH ₃	phenyl	2-(N-imidazolyl-methyl)phenyl
	1622	NHSO ₂ CH ₃	phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1623	NHSO ₂ CH ₃	phenyl	2-(N-pyridonyl-methyl)phenyl
15	1624	NHSO ₂ CH ₃	phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1625	NHSO ₂ CH ₃	phenyl	2-(amidinyl)phenyl
	1626	NHSO ₂ CH ₃	phenyl	2-(N-guanidinyl)phenyl
	1627	NHSO ₂ CH ₃	phenyl	2-(imidazolyl)phenyl
20	1628	NHSO ₂ CH ₃	phenyl	2-(imidazolidinyl)phenyl
	1629	NHSO ₂ CH ₃	phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1630	NHSO ₂ CH ₃	phenyl	2-(2-pyrrolidinyl)phenyl
	1631	NHSO ₂ CH ₃	phenyl	2-(2-piperidinyl)phenyl
25	1632	NHSO ₂ CH ₃	phenyl	2-(amidinyl-methyl)phenyl
	1633	NHSO ₂ CH ₃	phenyl	2-(2-imidazolidinyl-methyl)phenyl
	1634	NHSO ₂ CH ₃	phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
30	1635	NHSO ₂ CH ₃	phenyl	2-dimethylaminoimidazol-1-yl
	1636	NHSO ₂ CH ₃	phenyl	2-(3-aminophenyl)
	1637	NHSO ₂ CH ₃	phenyl	2-(3-pyrrolidinylcarbonyl)
	1638	NHSO ₂ CH ₃	phenyl	2-glycinoyl
	1639	NHSO ₂ CH ₃	phenyl	2-(imidazol-1-ylacetyl)
35	1640	NHSO ₂ CH ₃	2-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
	1641	NHSO ₂ CH ₃	2-pyridyl	2-(N-piperidinyl-methyl)phenyl
	1642	NHSO ₂ CH ₃	2-pyridyl	2-(N-morpholino-methyl)phenyl
	1643	NHSO ₂ CH ₃	2-pyridyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
40	1644	NHSO ₂ CH ₃	2-pyridyl	2-(N-pyridinium-methyl)phenyl
	1645	NHSO ₂ CH ₃	2-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1646	NHSO ₂ CH ₃	2-pyridyl	2-(N-azatanyl-methyl)phenyl
	1647	NHSO ₂ CH ₃	2-pyridyl	2-(N-azetidiny-methyl)phenyl
45	1648	NHSO ₂ CH ₃	2-pyridyl	2-(N-piperazinyl-methyl)phenyl
	1649	NHSO ₂ CH ₃	2-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1650	NHSO ₂ CH ₃	2-pyridyl	2-(N-imidazolyl-methyl)phenyl
50	1651	NHSO ₂ CH ₃	2-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1652	NHSO ₂ CH ₃	2-pyridyl	2-(N-pyridonyl-methyl)phenyl
	1653	NHSO ₂ CH ₃	2-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl

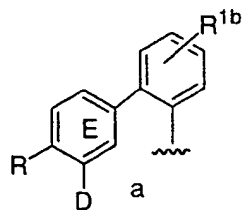
	1654	NHSO ₂ CH ₃	2-pyridyl	2-(amidinyl)phenyl
	1655	NHSO ₂ CH ₃	2-pyridyl	2-(N-guanidinyl)phenyl
	1656	NHSO ₂ CH ₃	2-pyridyl	2-(imidazolyl)phenyl
	1657	NHSO ₂ CH ₃	2-pyridyl	2-(imidazolidinyl)phenyl
5	1658	NHSO ₂ CH ₃	2-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1659	NHSO ₂ CH ₃	2-pyridyl	2-(2-pyrrolidinyl)phenyl
	1660	NHSO ₂ CH ₃	2-pyridyl	2-(2-piperidinyl)phenyl
	1661	NHSO ₂ CH ₃	2-pyridyl	2-(amidinyl-methyl)phenyl
10	1662	NHSO ₂ CH ₃	2-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
	1663	NHSO ₂ CH ₃	2-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1664	NHSO ₂ CH ₃	2-pyridyl	2-dimethylaminoimidazol-1-yl
15	1665	NHSO ₂ CH ₃	2-pyridyl	2-(3-aminophenyl)
	1666	NHSO ₂ CH ₃	2-pyridyl	2-(3-pyrrolidinylcarbonyl)
	1667	NHSO ₂ CH ₃	2-pyridyl	2-glycinoyl
	1668	NHSO ₂ CH ₃	2-pyridyl	2-(imidazol-1-ylacetyl)
	1669	NHSO ₂ CH ₃	3-pyridyl	2-(N-pyrrolidinyl-methyl)phenyl
20	1670	NHSO ₂ CH ₃	3-pyridyl	2-(N-piperidinyl-methyl)phenyl
	1671	NHSO ₂ CH ₃	3-pyridyl	2-(N-morpholino-methyl)phenyl
	1672	NHSO ₂ CH ₃	3-pyridyl	2-(N,N'-methyilmorpholinium-methyl)phenyl
	1673	NHSO ₂ CH ₃	3-pyridyl	2-(N-pyridinium-methyl)phenyl
25	1674	NHSO ₂ CH ₃	3-pyridyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1675	NHSO ₂ CH ₃	3-pyridyl	2-(N-azatanyl-methyl)phenyl
	1676	NHSO ₂ CH ₃	3-pyridyl	2-(N-azetidiny-methyl)phenyl
	1677	NHSO ₂ CH ₃	3-pyridyl	2-(N-piperazinyl-methyl)phenyl
30	1678	NHSO ₂ CH ₃	3-pyridyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1679	NHSO ₂ CH ₃	3-pyridyl	2-(N-imidazolyl-methyl)phenyl
	1680	NHSO ₂ CH ₃	3-pyridyl	2-(N-methoxy-N-methylamino-methyl)phenyl
35	1681	NHSO ₂ CH ₃	3-pyridyl	2-(N-pyridonyl-methyl)phenyl
	1682	NHSO ₂ CH ₃	3-pyridyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1683	NHSO ₂ CH ₃	3-pyridyl	2-(amidinyl)phenyl
	1684	NHSO ₂ CH ₃	3-pyridyl	2-(N-guanidinyl)phenyl
40	1685	NHSO ₂ CH ₃	3-pyridyl	2-(imidazolyl)phenyl
	1686	NHSO ₂ CH ₃	3-pyridyl	2-(imidazolidinyl)phenyl
	1687	NHSO ₂ CH ₃	3-pyridyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1688	NHSO ₂ CH ₃	3-pyridyl	2-(2-pyrrolidinyl)phenyl
45	1689	NHSO ₂ CH ₃	3-pyridyl	2-(2-piperidinyl)phenyl
	1690	NHSO ₂ CH ₃	3-pyridyl	2-(amidinyl-methyl)phenyl
	1691	NHSO ₂ CH ₃	3-pyridyl	2-(2-imidazolidinyl-methyl)phenyl
	1692	NHSO ₂ CH ₃	3-pyridyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
50	1693	NHSO ₂ CH ₃	3-pyridyl	2-dimethylaminoimidazol-1-yl
	1694	NHSO ₂ CH ₃	3-pyridyl	2-(3-aminophenyl)
	1695	NHSO ₂ CH ₃	3-pyridyl	2-(3-pyrrolidinylcarbonyl)

	1696	NHSO ₂ CH ₃	3-pyridyl	2-glycinoyl
	1697	NHSO ₂ CH ₃	3-pyridyl	2-(imidazol-1-ylacetyl)
	1698	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-pyrrolidinyl-methyl)phenyl
	1699	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-piperidinyl-methyl)phenyl
5	1700	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-morpholino-methyl)phenyl
	1701	NHSO ₂ CH ₃	2-pyrimidyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1702	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-pyridinium-methyl)phenyl
10	1703	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1704	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-azatanyl-methyl)phenyl
	1705	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-azetidiny-methyl)phenyl
	1706	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-piperazinyl-methyl)phenyl
	1707	NHSO ₂ CH ₃	2-pyrimidyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
15	1708	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-imidazolyl-methyl)phenyl
	1709	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1710	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-pyridonyl-methyl)phenyl
20	1711	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1712	NHSO ₂ CH ₃	2-pyrimidyl	2-(amidinyl)phenyl
	1713	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-guanidinyl)phenyl
	1714	NHSO ₂ CH ₃	2-pyrimidyl	2-(imidazolyl)phenyl
25	1715	NHSO ₂ CH ₃	2-pyrimidyl	2-(imidazolidinyl)phenyl
	1716	NHSO ₂ CH ₃	2-pyrimidyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1717	NHSO ₂ CH ₃	2-pyrimidyl	2-(2-pyrrolidinyl)phenyl
	1718	NHSO ₂ CH ₃	2-pyrimidyl	2-(2-piperidinyl)phenyl
30	1719	NHSO ₂ CH ₃	2-pyrimidyl	2-(amidinyl-methyl)phenyl
	1720	NHSO ₂ CH ₃	2-pyrimidyl	2-(2-imidazolidinyl-methyl)phenyl
	1721	NHSO ₂ CH ₃	2-pyrimidyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
35	1722	NHSO ₂ CH ₃	2-pyrimidyl	2-dimethylaminoimidazol-1-yl
	1723	NHSO ₂ CH ₃	2-pyrimidyl	2-(3-aminophenyl)
	1724	NHSO ₂ CH ₃	2-pyrimidyl	2-(3-pyrrolidinylcarbonyl)
	1725	NHSO ₂ CH ₃	2-pyrimidyl	2-glycinoyl
	1726	NHSO ₂ CH ₃	2-pyrimidyl	2-(imidazol-1-ylacetyl)
40	1727	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	1728	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-piperidinyl-methyl)phenyl
	1729	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-morpholino-methyl)phenyl
	1730	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
45	1731	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-pyridinium-methyl)phenyl
	1732	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1733	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-azatanyl-methyl)phenyl
	1734	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-azetidiny-methyl)phenyl
50	1735	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-piperazinyl-methyl)phenyl
	1736	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1737	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-imidazolyl-methyl)phenyl

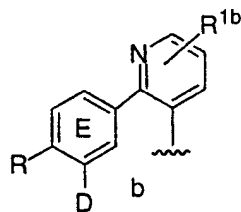
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	1740	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
5	1741	NHSO ₂ CH ₃	2-Cl-phenyl	2-(amidinyl)phenyl
	1742	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-guanidinyl)phenyl
	1743	NHSO ₂ CH ₃	2-Cl-phenyl	2-(imidazolyl)phenyl
	1744	NHSO ₂ CH ₃	2-Cl-phenyl	2-(imidazolidinyl)phenyl
10	1745	NHSO ₂ CH ₃	2-Cl-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1746	NHSO ₂ CH ₃	2-Cl-phenyl	2-(2-pyrrolidinyl)phenyl
	1747	NHSO ₂ CH ₃	2-Cl-phenyl	2-(2-piperidinyl)phenyl
	1748	NHSO ₂ CH ₃	2-Cl-phenyl	2-(amidinyl-methyl)phenyl
15	1749	NHSO ₂ CH ₃	2-Cl-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	1750	NHSO ₂ CH ₃	2-Cl-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1751	NHSO ₂ CH ₃	2-Cl-phenyl	2-dimethylaminoimidazol-1-yl
20	1752	NHSO ₂ CH ₃	2-Cl-phenyl	2-(3-aminophenyl)
	1753	NHSO ₂ CH ₃	2-Cl-phenyl	2-(3-pyrrolidinylcarbonyl)
	1754	NHSO ₂ CH ₃	2-Cl-phenyl	2-glycinoyl
	1755	NHSO ₂ CH ₃	2-Cl-phenyl	2-(imidazol-1-ylacetyl)
	1756	NHSO ₂ CH ₃	2-F-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
25	1757	NHSO ₂ CH ₃	2-F-phenyl	2-(N-piperidinyl-methyl)phenyl
	1758	NHSO ₂ CH ₃	2-F-phenyl	2-(N-morpholino-methyl)phenyl
	1759	NHSO ₂ CH ₃	2-F-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1760	NHSO ₂ CH ₃	2-F-phenyl	2-(N-pyridinium-methyl)phenyl
30	1761	NHSO ₂ CH ₃	2-F-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1762	NHSO ₂ CH ₃	2-F-phenyl	2-(N-azatanyl-methyl)phenyl
	1763	NHSO ₂ CH ₃	2-F-phenyl	2-(N-azetidiny-methyl)phenyl
	1764	NHSO ₂ CH ₃	2-F-phenyl	2-(N-piperazinyl-methyl)phenyl
35	1765	NHSO ₂ CH ₃	2-F-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1766	NHSO ₂ CH ₃	2-F-phenyl	2-(N-imidazolyl-methyl)phenyl
	1767	NHSO ₂ CH ₃	2-F-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
40	1768	NHSO ₂ CH ₃	2-F-phenyl	2-(N-pyridonyl-methyl)phenyl
	1769	NHSO ₂ CH ₃	2-F-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1770	NHSO ₂ CH ₃	2-F-phenyl	2-(amidinyl)phenyl
	1771	NHSO ₂ CH ₃	2-F-phenyl	2-(N-guanidinyl)phenyl
45	1772	NHSO ₂ CH ₃	2-F-phenyl	2-(imidazolyl)phenyl
	1773	NHSO ₂ CH ₃	2-F-phenyl	2-(imidazolidinyl)phenyl
	1774	NHSO ₂ CH ₃	2-F-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1775	NHSO ₂ CH ₃	2-F-phenyl	2-(2-pyrrolidinyl)phenyl
50	1776	NHSO ₂ CH ₃	2-F-phenyl	2-(2-piperidinyl)phenyl
	1777	NHSO ₂ CH ₃	2-F-phenyl	2-(amidinyl-methyl)phenyl
	1778	NHSO ₂ CH ₃	2-F-phenyl	2-(2-imidazolidinyl-methyl)phenyl

	1779	NHSO ₂ CH ₃	2-F-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
	1780	NHSO ₂ CH ₃	2-F-phenyl	2-dimethylaminoimidazol-1-yl
	1781	NHSO ₂ CH ₃	2-F-phenyl	2-(3-aminophenyl)
5	1782	NHSO ₂ CH ₃	2-F-phenyl	2-(3-pyrrolidinylcarbonyl)
	1783	NHSO ₂ CH ₃	2-F-phenyl	2-glycinoyl
	1784	NHSO ₂ CH ₃	2-F-phenyl	2-(imidazol-1-ylacetyl)
	1785	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-pyrrolidinyl-methyl)phenyl
	1786	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-piperidinyl-methyl)phenyl
10	1787	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-morpholino-methyl)phenyl
	1788	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N,N'-methylmorpholinium-methyl)phenyl
	1789	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-pyridinium-methyl)phenyl
15	1790	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-4-(N,N'-dimethylamino)-pyridinium-methyl)phenyl
	1791	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-azatanyl-methyl)phenyl
	1792	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-azetidiny-methyl)phenyl
	1793	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-piperazinyl-methyl)phenyl
20	1794	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N,N'-BOC-piperazinyl-methyl)phenyl
	1795	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-imidazolyl-methyl)phenyl
	1796	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-methoxy-N-methylamino-methyl)phenyl
	1797	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-pyridonyl-methyl)phenyl
25	1798	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-(N',N'-dimethylhydrazinyl-methyl)phenyl
	1799	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(amidinyl)phenyl
	1800	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-guanidinyl)phenyl
	1801	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(imidazolyl)phenyl
30	1802	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(imidazolidinyl)phenyl
	1803	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(2-imidazolidinyl-sulfonyl)phenyl
	1804	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(2-pyrrolidinyl)phenyl
	1805	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(2-piperidinyl)phenyl
35	1806	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(amidinyl-methyl)phenyl
	1807	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(2-imidazolidinyl-methyl)phenyl
	1808	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(N-(2-aminoimidazolyl)-methyl)phenyl
40	1809	NHSO ₂ CH ₃	2,5-diF-phenyl	2-dimethylaminoimidazol-1-yl
	1810	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(3-aminophenyl)
	1811	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(3-pyrrolidinylcarbonyl)
	1812	NHSO ₂ CH ₃	2,5-diF-phenyl	2-glycinoyl
	1813	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(imidazol-1-ylacetyl)

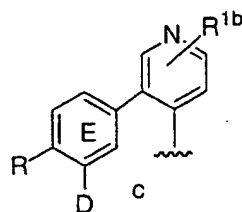
Table 3



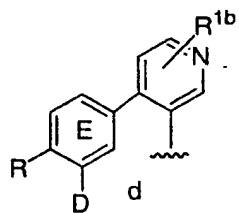
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 a₄ R=H, D=CH₂NH₂
 a₅ R=F, D=C(=NH)NH₂
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 a₇ R=F, D=C(O)NH₂
 a₈ R=H, D=C(O)NH₂



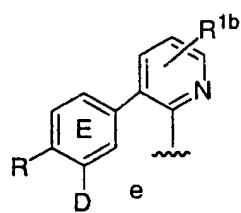
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 b₂ R=H, D=NH₂
 b₃ R=F, D=CH₂NH₂
 b₄ R=H, D=CH₂NH₂
 b₅ R=F, D=C(=NH)NH₂
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 b₇ R=F, D=C(O)NH₂
 b₈ R=H, D=C(O)NH₂



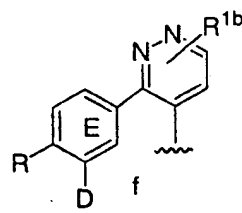
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 c₄ R=H, D=CH₂NH₂
 c₅ R=F, D=C(=NH)NH₂
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 c₇ R=F, D=C(O)NH₂
 c₈ R=H, D=C(O)NH₂



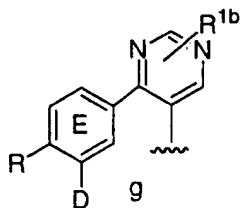
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 d₅ R=F, D=C(=NH)NH₂
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 d₇ R=F, D=C(O)NH₂
 d₈ R=H, D=C(O)NH₂



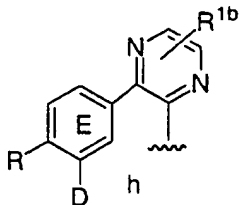
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 e₄ R=H, D=CH₂NH₂
 e₅ R=F, D=C(=NH)NH₂
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 e₇ R=F, D=C(O)NH₂
 e₈ R=H, D=C(O)NH₂



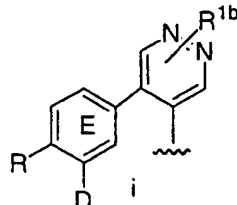
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 f₅ R=F, D=C(=NH)NH₂
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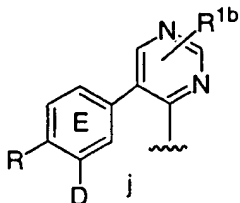
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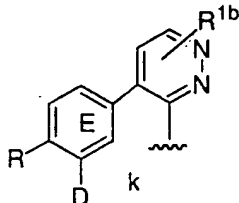
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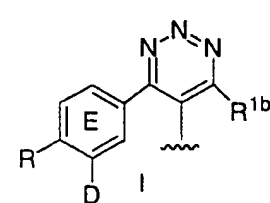
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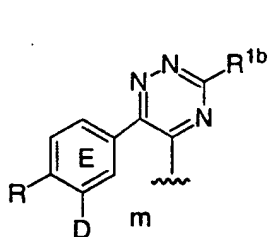
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 j₅ R=F, D=C(=NH)NH₂
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 j₇ R=F, D=C(O)NH₂
 j₈ R=H, D=C(O)NH₂



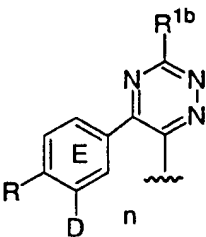
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 k₅ R=F, D=C(=NH)NH₂
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 k₈ R=H, D=C(O)NH₂



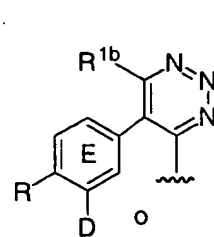
- l₁ R=F, D=NH₂
 l₂ R=H, D=NH₂
 l₃ R=F, D=CH₂NH₂
 l₄ R=H, D=CH₂NH₂
 l₅ R=F, D=C(=NH)NH₂
 l₆ R=H, D=C(=NH)NH₂
 l₇ R=F, D=C(O)NH₂
 l₈ R=H, D=C(O)NH₂



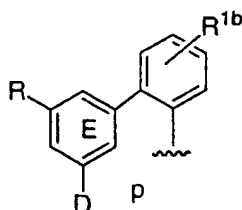
- m₁ R=F, D=NH₂
 m₂ R=H, D=NH₂
 m₃ R=F, D=CH₂NH₂
 m₄ R=H, D=CH₂NH₂
 m₅ R=F, D=C(=NH)NH₂
 m₆ R=H, D=C(=NH)NH₂
 m₇ R=F, D=C(O)NH₂
 m₈ R=H, D=C(O)NH₂



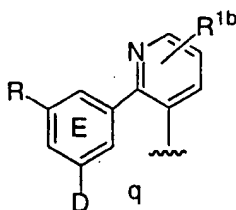
- n₁ R=F, D=NH₂
 n₂ R=H, D=NH₂
 n₃ R=F, D=CH₂NH₂
 n₄ R=H, D=CH₂NH₂
 n₅ R=F, D=C(=NH)NH₂
 n₆ R=H, D=C(=NH)NH₂
 n₇ R=F, D=C(O)NH₂
 n₈ R=H, D=C(O)NH₂



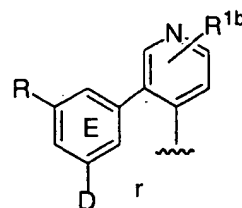
- o₁ R=F, D=NH₂
 o₂ R=H, D=NH₂
 o₃ R=F, D=CH₂NH₂
 o₄ R=H, D=CH₂NH₂
 o₅ R=F, D=C(=NH)NH₂
 o₆ R=H, D=C(=NH)NH₂
 o₇ R=F, D=C(O)NH₂
 o₈ R=H, D=C(O)NH₂



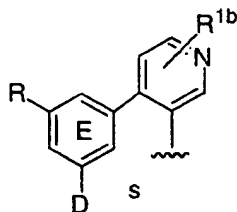
- p₁ R=F, D=NH₂
 p₂ R=Cl, D=NH₂
 p₃ R=OMe, D=NH₂
 p₄ R=F, D=CH₂NH₂
 p₅ R=Cl, D=CH₂NH₂
 p₆ R=OMe, D=CH₂NH₂
 p₇ R=F, D=C(=NH)NH₂
 p₈ R=Cl, D=C(=NH)NH₂
 p₉ R=OMe, D=C(=NH)NH₂
 p₁₀ R=F, D=C(O)NH₂
 p₁₁ R=Cl, D=C(O)NH₂
 p₁₂ R=OMe, D=C(O)NH₂



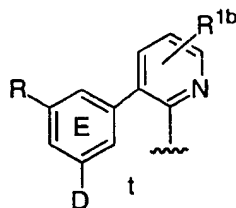
- q₁ R=F, D=NH₂
 q₂ R=Cl, D=NH₂
 q₃ R=OMe, D=NH₂
 q₄ R=F, D=CH₂NH₂
 q₅ R=Cl, D=CH₂NH₂
 q₆ R=OMe, D=CH₂NH₂
 q₇ R=F, D=C(=NH)NH₂
 q₈ R=Cl, D=C(=NH)NH₂
 q₉ R=OMe, D=C(=NH)NH₂
 q₁₀ R=F, D=C(O)NH₂
 q₁₁ R=Cl, D=C(O)NH₂
 q₁₂ R=OMe, D=C(O)NH₂



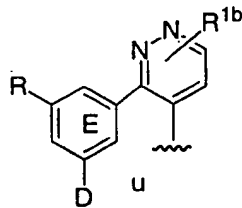
- r₁ R=F, D=NH₂
 r₂ R=Cl, D=NH₂
 r₃ R=OMe, D=NH₂
 r₄ R=F, D=CH₂NH₂
 r₅ R=Cl, D=CH₂NH₂
 r₆ R=OMe, D=CH₂NH₂
 r₇ R=F, D=C(=NH)NH₂
 r₈ R=Cl, D=C(=NH)NH₂
 r₉ R=OMe, D=C(=NH)NH₂
 r₁₀ R=F, D=C(O)NH₂
 r₁₁ R=Cl, D=C(O)NH₂
 r₁₂ R=OMe, D=C(O)NH₂



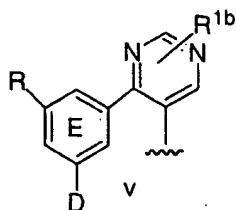
- s₁ R=F, D=NH₂
 s₂ R=Cl, D=NH₂
 s₃ R=OMe, D=NH₂
 s₄ R=F, D=CH₂NH₂
 s₅ R=Cl, D=CH₂NH₂
 s₆ R=OMe, D=CH₂NH₂
 s₇ R=F, D=C(=NH)NH₂
 s₈ R=Cl, D=C(=NH)NH₂
 s₉ R=OMe, D=C(=NH)NH₂
 s₁₀ R=F, D=C(O)NH₂
 s₁₁ R=Cl, D=C(O)NH₂
 s₁₂ R=OMe, D=C(O)NH₂



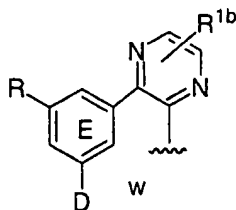
- t₁ R=F, D=NH₂
 t₂ R=Cl, D=NH₂
 t₃ R=OMe, D=NH₂
 t₄ R=F, D=CH₂NH₂
 t₅ R=Cl, D=CH₂NH₂
 t₆ R=OMe, D=CH₂NH₂
 t₇ R=F, D=C(=NH)NH₂
 t₈ R=Cl, D=C(=NH)NH₂
 t₉ R=OMe, D=C(=NH)NH₂
 t₁₀ R=F, D=C(O)NH₂
 t₁₁ R=Cl, D=C(O)NH₂
 t₁₂ R=OMe, D=C(O)NH₂



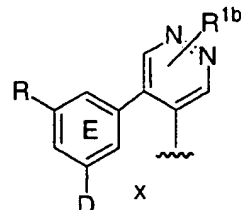
- u₁ R=F, D=NH₂
 u₂ R=Cl, D=NH₂
 u₃ R=OMe, D=NH₂
 u₄ R=F, D=CH₂NH₂
 u₅ R=Cl, D=CH₂NH₂
 u₆ R=OMe, D=CH₂NH₂
 u₇ R=F, D=C(=NH)NH₂
 u₈ R=Cl, D=C(=NH)NH₂
 u₉ R=OMe, D=C(=NH)NH₂
 u₁₀ R=F, D=C(O)NH₂
 u₁₁ R=Cl, D=C(O)NH₂
 u₁₂ R=OMe, D=C(O)NH₂



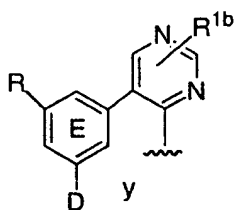
- v₁ R=F, D=NH₂
 v₂ R=Cl, D=NH₂
 v₃ R=OMe, D=NH₂
 v₄ R=F, D=CH₂NH₂
 v₅ R=Cl, D=CH₂NH₂
 v₆ R=OMe, D=CH₂NH₂
 v₇ R=F, D=C(=NH)NH₂
 v₈ R=Cl, D=C(=NH)NH₂
 v₉ R=OMe, D=C(=NH)NH₂
 v₁₀ R=F, D=C(O)NH₂
 v₁₁ R=Cl, D=C(O)NH₂
 v₁₂ R=OMe, D=C(O)NH₂



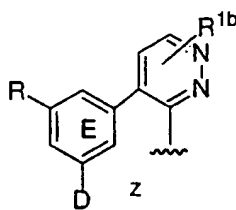
- w₁ R=F, D=NH₂
 w₂ R=Cl, D=NH₂
 w₃ R=OMe, D=NH₂
 w₄ R=F, D=CH₂NH₂
 w₅ R=Cl, D=CH₂NH₂
 w₆ R=OMe, D=CH₂NH₂
 w₇ R=F, D=C(=NH)NH₂
 w₈ R=Cl, D=C(=NH)NH₂
 w₉ R=OMe, D=C(=NH)NH₂
 w₁₀ R=F, D=C(O)NH₂
 w₁₁ R=Cl, D=C(O)NH₂
 w₁₂ R=OMe, D=C(O)NH₂



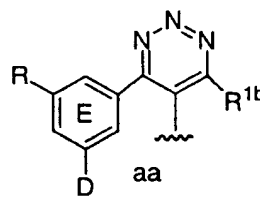
- x₁ R=F, D=NH₂
 x₂ R=Cl, D=NH₂
 x₃ R=OMe, D=NH₂
 x₄ R=F, D=CH₂NH₂
 x₅ R=Cl, D=CH₂NH₂
 x₆ R=OMe, D=CH₂NH₂
 x₇ R=F, D=C(=NH)NH₂
 x₈ R=Cl, D=C(=NH)NH₂
 x₉ R=OMe, D=C(=NH)NH₂
 x₁₀ R=F, D=C(O)NH₂
 x₁₁ R=Cl, D=C(O)NH₂
 x₁₂ R=OMe, D=C(O)NH₂



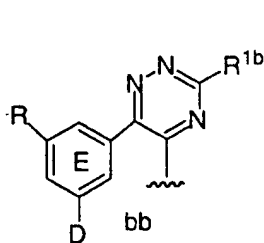
- y₁ R=F, D=NH₂
 y₂ R=Cl, D=NH₂
 y₃ R=OMe, D=NH₂
 y₄ R=F, D=CH₂NH₂
 y₅ R=Cl, D=CH₂NH₂
 y₆ R=OMe, D=CH₂NH₂
 y₇ R=F, D=C(=NH)NH₂
 y₈ R=Cl, D=C(=NH)NH₂
 y₉ R=OMe, D=C(=NH)NH₂
 y₁₀ R=F, D=C(O)NH₂
 y₁₁ R=Cl, D=C(O)NH₂
 y₁₂ R=OMe, D=C(O)NH₂



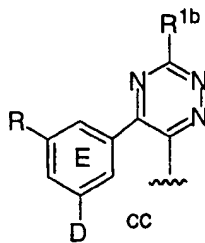
- z₁ R=F, D=NH₂
 z₂ R=Cl, D=NH₂
 z₃ R=OMe, D=NH₂
 z₄ R=F, D=CH₂NH₂
 z₅ R=Cl, D=CH₂NH₂
 z₆ R=OMe, D=CH₂NH₂
 z₇ R=F, D=C(=NH)NH₂
 z₈ R=Cl, D=C(=NH)NH₂
 z₉ R=OMe, D=C(=NH)NH₂
 z₁₀ R=F, D=C(O)NH₂
 z₁₁ R=Cl, D=C(O)NH₂
 z₁₂ R=OMe, D=C(O)NH₂



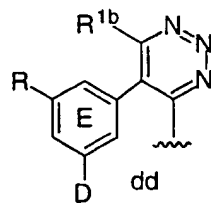
- aa₁ R=F, D=NH₂
 aa₂ R=Cl, D=NH₂
 aa₃ R=OMe, D=NH₂
 aa₄ R=F, D=CH₂NH₂
 aa₅ R=Cl, D=CH₂NH₂
 aa₆ R=OMe, D=CH₂NH₂
 aa₇ R=F, D=C(=NH)NH₂
 aa₈ R=Cl, D=C(=NH)NH₂
 aa₉ R=OMe, D=C(=NH)NH₂
 aa₁₀ R=F, D=C(O)NH₂
 aa₁₁ R=Cl, D=C(O)NH₂
 aa₁₂ R=OMe, D=C(O)NH₂



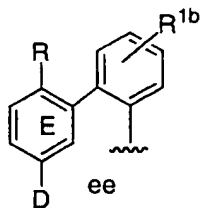
- bb₁ R=F, D=NH₂
 bb₂ R=Cl, D=NH₂
 bb₃ R=OMe, D=NH₂
 bb₄ R=F, D=CH₂NH₂
 bb₅ R=Cl, D=CH₂NH₂
 bb₆ R=OMe, D=CH₂NH₂
 bb₇ R=F, D=C(=NH)NH₂
 bb₈ R=Cl, D=C(=NH)NH₂
 bb₉ R=OMe, D=C(=NH)NH₂
 bb₁₀ R=F, D=C(O)NH₂
 bb₁₁ R=Cl, D=C(O)NH₂
 bb₁₂ R=OMe, D=C(O)NH₂



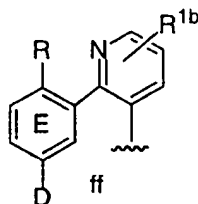
- cc₁ R=F, D=NH₂
 cc₂ R=Cl, D=NH₂
 cc₃ R=OMe, D=NH₂
 cc₄ R=F, D=CH₂NH₂
 cc₅ R=Cl, D=CH₂NH₂
 cc₆ R=OMe, D=CH₂NH₂
 cc₇ R=F, D=C(=NH)NH₂
 cc₈ R=Cl, D=C(=NH)NH₂
 cc₉ R=OMe, D=C(=NH)NH₂
 cc₁₀ R=F, D=C(O)NH₂
 cc₁₁ R=Cl, D=C(O)NH₂
 cc₁₂ R=OMe, D=C(O)NH₂



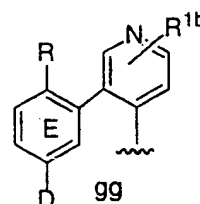
- dd₁ R=F, D=NH₂
 dd₂ R=Cl, D=NH₂
 dd₃ R=OMe, D=NH₂
 dd₄ R=F, D=CH₂NH₂
 dd₅ R=Cl, D=CH₂NH₂
 dd₆ R=OMe, D=CH₂NH₂
 dd₇ R=F, D=C(=NH)NH₂
 dd₈ R=Cl, D=C(=NH)NH₂
 dd₉ R=OMe, D=C(=NH)NH₂
 dd₁₀ R=F, D=C(O)NH₂
 dd₁₁ R=Cl, D=C(O)NH₂
 dd₁₂ R=OMe, D=C(O)NH₂



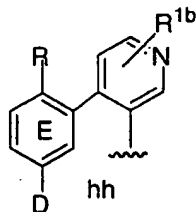
- ee₁ R=F, D=CH₂NH₂
 ee₂ R=Cl, D=CH₂NH₂
 ee₃ R=OMe, D=CH₂NH₂
 ee₄ R=CH₂NH₂,
 D=CH₂NH₂



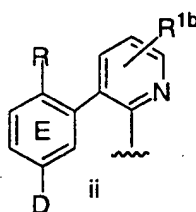
- ff₁ R=F, D=CH₂NH₂
 ff₂ R=Cl, D=CH₂NH₂
 ff₃ R=OMe, D=CH₂NH₂
 ff₄ R=CH₂NH₂,
 D=CH₂NH₂



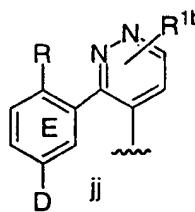
- gg₁ R=F, D=CH₂NH₂
 gg₂ R=Cl, D=CH₂NH₂
 gg₃ R=OMe, D=CH₂NH₂
 gg₄ R=CH₂NH₂,
 D=CH₂NH₂



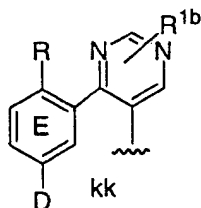
- hh₁ R=F, D=CH₂NH₂
 hh₂ R=Cl, D=CH₂NH₂
 hh₃ R=OMe, D=CH₂NH₂
 hh₄ R=CH₂NH₂,
 D=CH₂NH₂



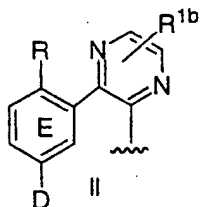
- ii₁ R=F, D=CH₂NH₂
 ii₂ R=Cl, D=CH₂NH₂
 ii₃ R=OMe, D=CH₂NH₂
 ii₄ R=CH₂NH₂,
 D=CH₂NH₂



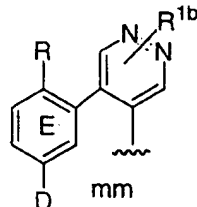
- jj₁ R=F, D=CH₂NH₂
 jj₂ R=Cl, D=CH₂NH₂
 jj₃ R=OMe, D=CH₂NH₂
 jj₄ R=CH₂NH₂,
 D=CH₂NH₂



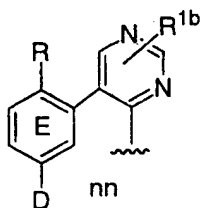
kk₁ R=F, D=CH₂NH₂
 kk₂ R=Cl, D=CH₂NH₂
 kk₃ R=OMe, D=CH₂NH₂
 kk₄ R=CH₂NH₂,
 D=CH₂NH₂



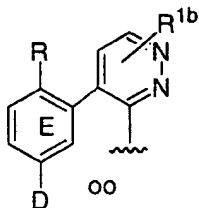
ll₁ R=F, D=CH₂NH₂
 ll₂ R=Cl, D=CH₂NH₂
 ll₃ R=OMe, D=CH₂NH₂
 ll₄ R=CH₂NH₂,
 D=CH₂NH₂



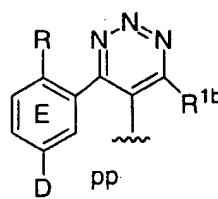
mm₁ R=F, D=CH₂NH₂
 mm₂ R=Cl, D=CH₂NH₂
 mm₃ R=OMe, D=CH₂NH₂
 mm₄ R=CH₂NH₂,
 D=CH₂NH₂



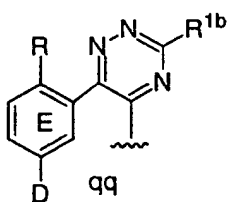
nn₁ R=F, D=CH₂NH₂
 nn₂ R=Cl, D=CH₂NH₂
 nn₃ R=OMe, D=CH₂NH₂
 nn₄ R=CH₂NH₂,
 D=CH₂NH₂



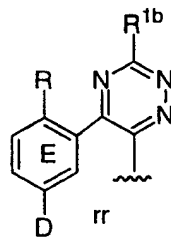
oo₁ R=F, D=CH₂NH₂
 oo₂ R=Cl, D=CH₂NH₂
 oo₃ R=OMe, D=CH₂NH₂
 oo₄ R=CH₂NH₂,
 D=CH₂NH₂



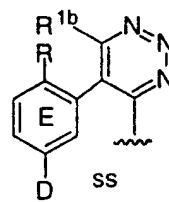
pp₁ R=F, D=CH₂NH₂
 pp₂ R=Cl, D=CH₂NH₂
 pp₃ R=OMe, D=CH₂NH₂
 pp₄ R=CH₂NH₂,
 D=CH₂NH₂



qq₁ R=F, D=CH₂NH₂
 qq₂ R=Cl, D=CH₂NH₂
 qq₃ R=OMe, D=CH₂NH₂
 qq₄ R=CH₂NH₂,
 D=CH₂NH₂



rr₁ R=F, D=CH₂NH₂
 rr₂ R=Cl, D=CH₂NH₂
 rr₃ R=OMe, D=CH₂NH₂
 rr₄ R=CH₂NH₂,
 D=CH₂NH₂



ss₁ R=F, D=CH₂NH₂
 ss₂ R=Cl, D=CH₂NH₂
 ss₃ R=OMe, D=CH₂NH₂
 ss₄ R=CH₂NH₂,
 D=CH₂NH₂

5	Ex#	R ^{1b}	A	B
	1	H	phenyl	2-((Me) ₂ N-methyl)phenyl
	2	H	phenyl	2-((Me)NH-methyl)phenyl
	3	H	phenyl	2-(H ₂ N-methyl)phenyl
	4	H	phenyl	2-HOCH ₂ -phenyl
10	5	H	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	6	H	2-F-phenyl	2-((Me)NH-methyl)phenyl
	7	H	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	8	H	2-F-phenyl	2-HOCH ₂ -phenyl
	9	H	phenyl	2-methylimidazol-1-yl
15	10	H	phenyl	2-ethylimidazol-1-yl
	11	H	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	12	H	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl

	13	H	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	14	H	2-F-phenyl	2-methylimidazol-1-yl
	15	H	2-F-phenyl	2-ethylimidazol-1-yl
	16	H	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
5	17	H	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	18	H	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	19	H	2-Cl-phenyl	2-methylimidazol-1-yl
	20	H	2-Cl-phenyl	2-ethylimidazol-1-yl
	21	H	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
10	22	H	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	23	H	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	24	H	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	25	H	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	26	H	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
15	27	H	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	28	H	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	29	H	phenyl	N-methylimidazol-2-yl
	30	H	phenyl	4-methylimidazol-5-yl
	31	H	phenyl	5-CF ₃ -pyrazol-1-yl
20	32	H	2-F-phenyl	N-methylimidazol-2-yl
	33	H	2-F-phenyl	4-methylimidazol-5-yl
	34	H	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	35	H	phenyl	guanidino
	36	H	phenyl	2-thiazolin-2-ylamine
25	37	H	phenyl	N-methyl-2-imidazolin-2-yl
	38	H	phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	39	H	phenyl	N-methylimidazol-2-ylthiol
	40	H	phenyl	t-butoxycarbonylamine
30	41	H	phenyl	(N-pyrrolidino)formylimino
	42	H	phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	43	H	2-F-phenyl	guanidino
	44	H	2-F-phenyl	2-thiazolin-2-ylamine
35	45	H	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	46	H	2-F-phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	47	H	2-F-phenyl	N-methylimidazol-2-ylthio
	48	H	2-F-phenyl	t-butoxycarbonylamine
40	49	H	2-F-phenyl	(N-pyrrolidino)formylimino
	50	H	2-F-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	51	H	2-CH ₃ O-phenyl	(N-pyrrolidino)formylimino
	52	H	2-CH ₃ O-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
45	53	-CN	phenyl	2-((Me) ₂ N-methyl)phenyl
	54	-CN	phenyl	2-((Me)NH-methyl)phenyl
	55	-CN	phenyl	2-(H ₂ N-methyl)phenyl
	56	-CN	phenyl	2-HOCH ₂ -phenyl
50	57	-CN	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	58	-CN	2-F-phenyl	2-((Me)NH-methyl)phenyl
	59	-CN	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	60	-CN	2-F-phenyl	2-HOCH ₂ -phenyl
	61	-CN	phenyl	2-methylimidazol-1-yl
55	62	-CN	phenyl	2-ethylimidazol-1-yl

	63	-CN	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	64	-CN	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	65	-CN	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	66	-CN	2-F-phenyl	2-methylimidazol-1-yl
5	67	-CN	2-F-phenyl	2-ethylimidazol-1-yl
	68	-CN	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	69	-CN	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	70	-CN	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	71	-CN	2-Cl-phenyl	2-methylimidazol-1-yl
10	72	-CN	2-Cl-phenyl	2-ethylimidazol-1-yl
	73	-CN	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	74	-CN	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	75	-CN	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	76	-CN	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
15	77	-CN	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	78	-CN	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	79	-CN	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	80	-CN	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	81	-CN	phenyl	N-methylimidazol-2-yl
20	82	-CN	phenyl	4-methylimidazol-5-yl
	83	-CN	phenyl	5-CF ₃ -pyrazol-1-yl
	84	-CN	2-F-phenyl	N-methylimidazol-2-yl
	85	-CN	2-F-phenyl	4-methylimidazol-5-yl
	86	-CN	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
25	87	-CN	phenyl	guanidino
	88	-CN	phenyl	2-thiazolin-2-ylamine
	89	-CN	phenyl	N-methyl-2-imidazolin-2-yl
	90	-CN	phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
30	91	-CN	phenyl	N-methylimidazol-2-ylthiol
	92	-CN	phenyl	t-butoxycarbonylamine
	93	-CN	phenyl	(N-pyrrolidino)formylimino
	94	-CN	phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
35	95	-CN	2-F-phenyl	guanidino
	96	-CN	2-F-phenyl	2-thiazolin-2-ylamine
	97	-CN	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	98	-CN	2-F-phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
40	99	-CN	2-F-phenyl	N-methylimidazol-2-ylthio
	100	-CN	2-F-phenyl	t-butoxycarbonylamine
	101	-CN	2-F-phenyl	(N-pyrrolidino)formylimino
	102	-CN	2-F-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
45	103	-CN	2-CH ₃ O-phenyl	(N-pyrrolidino)formylimino
	104	-CN	2-CH ₃ O-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	105	CF ₃	phenyl	2-((Me) ₂ N-methyl)phenyl
	106	CF ₃	phenyl	2-((Me)NH-methyl)phenyl
50	107	CF ₃	phenyl	2-(H ₂ N-methyl)phenyl
	108	CF ₃	phenyl	2-HOCH ₂ -phenyl
	109	CF ₃	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	110	CF ₃	2-F-phenyl	2-((Me)NH-methyl)phenyl
	111	CF ₃	2-F-phenyl	2-(H ₂ N-methyl)phenyl

	112	CF ₃	2-F-phenyl	2-HOCH ₂ -phenyl
	113	CF ₃	phenyl	2-methylimidazol-1-yl
	114	CF ₃	phenyl	2-ethylimidazol-1-yl
	115	CF ₃	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
5	116	CF ₃	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	117	CF ₃	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	118	CF ₃	2-F-phenyl	2-methylimidazol-1-yl
	119	CF ₃	2-F-phenyl	2-ethylimidazol-1-yl
	120	CF ₃	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
10	121	CF ₃	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	122	CF ₃	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	123	CF ₃	2-Cl-phenyl	2-methylimidazol-1-yl
	124	CF ₃	2-Cl-phenyl	2-ethylimidazol-1-yl
	125	CF ₃	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
15	126	CF ₃	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	127	CF ₃	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	128	CF ₃	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	129	CF ₃	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	130	CF ₃	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
20	131	CF ₃	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	132	CF ₃	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	133	CF ₃	phenyl	N-methylimidazol-2-yl
	134	CF ₃	phenyl	4-methylimidazol-5-yl
	135	CF ₃	phenyl	5-CF ₃ -pyrazol-1-yl
25	136	CF ₃	2-F-phenyl	N-methylimidazol-2-yl
	137	CF ₃	2-F-phenyl	4-methylimidazol-5-yl
	138	CF ₃	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	139	CF ₃	phenyl	guanidino
	140	CF ₃	phenyl	2-thiazolin-2-ylamine
30	141	CF ₃	phenyl	N-methyl-2-imidazolin-2-yl
	142	CF ₃	phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	143	CF ₃	phenyl	N-methylimidazol-2-ylthiol
	144	CF ₃	phenyl	t-butoxycarbonylamine
35	145	CF ₃	phenyl	(N-pyrrolidino)formylimino
	146	CF ₃	phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	147	CF ₃	2-F-phenyl	guanidino
	148	CF ₃	2-F-phenyl	2-thiazolin-2-ylamine
40	149	CF ₃	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	150	CF ₃	2-F-phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	151	CF ₃	2-F-phenyl	N-methylimidazol-2-ylthio
	152	CF ₃	2-F-phenyl	t-butoxycarbonylamine
45	153	CF ₃	2-F-phenyl	(N-pyrrolidino)formylimino
	154	CF ₃	2-F-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	155	CF ₃	2-CH ₃ O-phenyl	(N-pyrrolidino)formylimino
	156	CF ₃	2-CH ₃ O-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
50	157	CONH ₂	phenyl	2-((Me) ₂ N-methyl)phenyl
	158	CONH ₂	phenyl	2-(Me)NH-methyl)phenyl

	159	CONH ₂	phenyl	2-(H ₂ N-methyl)phenyl
	160	CONH ₂	phenyl	2-HOCH ₂ -phenyl
	161	CONH ₂	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	162	CONH ₂	2-F-phenyl	2-((Me)NH-methyl)phenyl
5	163	CONH ₂	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	164	CONH ₂	2-F-phenyl	2-HOCH ₂ -phenyl
	165	CONH ₂	phenyl	2-methylimidazol-1-yl
	166	CONH ₂	phenyl	2-ethylimidazol-1-yl
	167	CONH ₂	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
10	168	CONH ₂	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	169	CONH ₂	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	170	CONH ₂	2-F-phenyl	2-methylimidazol-1-yl
	171	CONH ₂	2-F-phenyl	2-ethylimidazol-1-yl
	172	CONH ₂	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
15	173	CONH ₂	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	174	CONH ₂	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	175	CONH ₂	2-Cl-phenyl	2-methylimidazol-1-yl
	176	CONH ₂	2-Cl-phenyl	2-ethylimidazol-1-yl
	177	CONH ₂	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
20	178	CONH ₂	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	179	CONH ₂	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	180	CONH ₂	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	181	CONH ₂	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	182	CONH ₂	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
25	183	CONH ₂	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	184	CONH ₂	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	185	CONH ₂	phenyl	N-methylimidazol-2-yl
	186	CONH ₂	phenyl	4-methylimidazol-5-yl
	187	CONH ₂	phenyl	5-CF ₃ -pyrazol-1-yl
30	188	CONH ₂	2-F-phenyl	N-methylimidazol-2-yl
	189	CONH ₂	2-F-phenyl	4-methylimidazol-5-yl
	190	CONH ₂	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	191	CONH ₂	phenyl	guanidino
	192	CONH ₂	phenyl	2-thiazolin-2-ylamine
35	193	CONH ₂	phenyl	N-methyl-2-imidazolin-2-yl
	194	CONH ₂	phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	195	CONH ₂	phenyl	N-methylimidazol-2-ylthiol
	196	CONH ₂	phenyl	t-butoxycarbonylamine
40	197	CONH ₂	phenyl	(N-pyrrolidino)formylimino
	198	CONH ₂	phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	199	CONH ₂	2-F-phenyl	guanidino
	200	CONH ₂	2-F-phenyl	2-thiazolin-2-ylamine
45	201	CONH ₂	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	202	CONH ₂	2-F-phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	203	CONH ₂	2-F-phenyl	N-methylimidazol-2-ylthio
	204	CONH ₂	2-F-phenyl	t-butoxycarbonylamine
50	205	CONH ₂	2-F-phenyl	(N-pyrrolidino)formylimino
	206	CONH ₂	2-F-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino

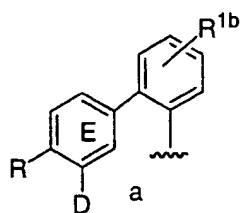
	207	CONH ₂	2-CH ₃ O-phenyl	(N-pyrrolidino)formylimino
	208	CONH ₂	2-CH ₃ O-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	209	SCH ₃	phenyl	2-((Me) ₂ N-methyl)phenyl
5	210	SCH ₃	phenyl	2-((Me)NH-methyl)phenyl
	211	SCH ₃	phenyl	2-(H ₂ N-methyl)phenyl
	212	SCH ₃	phenyl	2-HOCH ₂ -phenyl
	213	SCH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	214	SCH ₃	2-F-phenyl	2-((Me)NH-methyl)phenyl
10	215	SCH ₃	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	216	SCH ₃	2-F-phenyl	2-HOCH ₂ -phenyl
	217	SCH ₃	phenyl	2-methylimidazol-1-yl
	218	SCH ₃	phenyl	2-ethylimidazol-1-yl
	219	SCH ₃	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
15	220	SCH ₃	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	221	SCH ₃	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	222	SCH ₃	2-F-phenyl	2-methylimidazol-1-yl
	223	SCH ₃	2-F-phenyl	2-ethylimidazol-1-yl
	224	SCH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
20	225	SCH ₃	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	226	SCH ₃	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	227	SCH ₃	2-Cl-phenyl	2-methylimidazol-1-yl
	228	SCH ₃	2-Cl-phenyl	2-ethylimidazol-1-yl
	229	SCH ₃	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
25	230	SCH ₃	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	231	SCH ₃	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	232	SCH ₃	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	233	SCH ₃	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	234	SCH ₃	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
30	235	SCH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	236	SCH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	237	SCH ₃	phenyl	N-methylimidazol-2-yl
	238	SCH ₃	phenyl	4-methylimidazol-5-yl
	239	SCH ₃	phenyl	5-CF ₃ -pyrazol-1-yl
35	240	SCH ₃	2-F-phenyl	N-methylimidazol-2-yl
	241	SCH ₃	2-F-phenyl	4-methylimidazol-5-yl
	242	SCH ₃	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	243	SCH ₃	phenyl	guanidino
	244	SCH ₃	phenyl	2-thiazolin-2-ylamine
40	245	SCH ₃	phenyl	N-methyl-2-imidazolin-2-yl
	246	SCH ₃	phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	247	SCH ₃	phenyl	N-methylimidazol-2-ylthiol
	248	SCH ₃	phenyl	t-butoxycarbonylamine
45	249	SCH ₃	phenyl	(N-pyrrolidino)formylimino
	250	SCH ₃	phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	251	SCH ₃	2-F-phenyl	guanidino
	252	SCH ₃	2-F-phenyl	2-thiazolin-2-ylamine
50	253	SCH ₃	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	254	SCH ₃	2-F-phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl

	255	SCH ₃	2-F-phenyl	N-methylimidazol-2-ylthio
	256	SCH ₃	2-F-phenyl	t-butoxycarbonylamine
	257	SCH ₃	2-F-phenyl	(N-pyrrolidino) formylimino
	258	SCH ₃	2-F-phenyl	(N-pyrrolidino) formyl-N-
5				(methanesulfamoyl) imino
	259	SCH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino) formylimino
	260	SCH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino) formyl-N-
				(methanesulfamoyl) imino
	261	SO ₂ CH ₃	phenyl	2-((Me) ₂ N-methyl)phenyl
10	262	SO ₂ CH ₃	phenyl	2-((Me)NH-methyl)phenyl
	263	SO ₂ CH ₃	phenyl	2-(H ₂ N-methyl)phenyl
	264	SO ₂ CH ₃	phenyl	2-HOCH ₂ -phenyl
	265	SO ₂ CH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	266	SO ₂ CH ₃	2-F-phenyl	2-((Me)NH-methyl)phenyl
15	267	SO ₂ CH ₃	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	268	SO ₂ CH ₃	2-F-phenyl	2-HOCH ₂ -phenyl
	269	SO ₂ CH ₃	phenyl	2-methylimidazol-1-yl
	270	SO ₂ CH ₃	phenyl	2-ethylimidazol-1-yl
	271	SO ₂ CH ₃	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
20	272	SO ₂ CH ₃	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	273	SO ₂ CH ₃	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	274	SO ₂ CH ₃	2-F-phenyl	2-methylimidazol-1-yl
	275	SO ₂ CH ₃	2-F-phenyl	2-ethylimidazol-1-yl
	276	SO ₂ CH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
25	277	SO ₂ CH ₃	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	278	SO ₂ CH ₃	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	279	SO ₂ CH ₃	2-Cl-phenyl	2-methylimidazol-1-yl
	280	SO ₂ CH ₃	2-Cl-phenyl	2-ethylimidazol-1-yl
	281	SO ₂ CH ₃	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
30	282	SO ₂ CH ₃	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	283	SO ₂ CH ₃	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	284	SO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	285	SO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	286	SO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
35	287	SO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	288	SO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	289	SO ₂ CH ₃	phenyl	N-methylimidazol-2-yl
	290	SO ₂ CH ₃	phenyl	4-methylimidazol-5-yl
	291	SO ₂ CH ₃	phenyl	5-CF ₃ -pyrazol-1-yl
40	292	SO ₂ CH ₃	2-F-phenyl	N-methylimidazol-2-yl
	293	SO ₂ CH ₃	2-F-phenyl	4-methylimidazol-5-yl
	294	SO ₂ CH ₃	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	295	SO ₂ CH ₃	phenyl	guanidino
	296	SO ₂ CH ₃	phenyl	2-thiazolin-2-ylamine
45	297	SO ₂ CH ₃	phenyl	N-methyl-2-imidazolin-2-yl
	298	SO ₂ CH ₃	phenyl	N-methyl-1,4,5,6-
				tetrahydropyrimid-2-yl
	299	SO ₂ CH ₃	phenyl	N-methylimidazol-2-ylthiol
	300	SO ₂ CH ₃	phenyl	t-butoxycarbonylamine
50	301	SO ₂ CH ₃	phenyl	(N-pyrrolidino) formylimino
	302	SO ₂ CH ₃	phenyl	(N-pyrrolidino) formyl-N-
				(methanesulfamoyl) imino

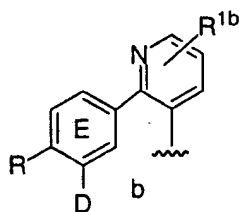
	303	SO ₂ CH ₃	2-F-phenyl	guanidino
	304	SO ₂ CH ₃	2-F-phenyl	2-thiazolin-2-ylamine
	305	SO ₂ CH ₃	2-F-phenyl	N-methyl-2-imidazolin-2-yl
5	306	SO ₂ CH ₃	2-F-phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	307	SO ₂ CH ₃	2-F-phenyl	N-methylimidazol-2-ylthio
	308	SO ₂ CH ₃	2-F-phenyl	t-butoxycarbonylamine
	309	SO ₂ CH ₃	2-F-phenyl	(N-pyrrolidino)formylimino
10	310	SO ₂ CH ₃	2-F-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	311	SO ₂ CH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino)formylimino
	312	SO ₂ CH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
15	313	NHSO ₂ CH ₃	phenyl	2-((Me) ₂ N-methyl)phenyl
	314	NHSO ₂ CH ₃	phenyl	2-((Me)NH-methyl)phenyl
	315	NHSO ₂ CH ₃	phenyl	2-(H ₂ N-methyl)phenyl
	316	NHSO ₂ CH ₃	phenyl	2-HOCH ₂ -phenyl
	317	NHSO ₂ CH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	318	NHSO ₂ CH ₃	2-F-phenyl	2-((Me)NH-methyl)phenyl
20	319	NHSO ₂ CH ₃	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	320	NHSO ₂ CH ₃	2-F-phenyl	2-HOCH ₂ -phenyl
	321	NHSO ₂ CH ₃	phenyl	2-methylimidazol-1-yl
	322	NHSO ₂ CH ₃	phenyl	2-ethylimidazol-1-yl
	323	NHSO ₂ CH ₃	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
25	324	NHSO ₂ CH ₃	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	325	NHSO ₂ CH ₃	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	326	NHSO ₂ CH ₃	2-F-phenyl	2-methylimidazol-1-yl
	327	NHSO ₂ CH ₃	2-F-phenyl	2-ethylimidazol-1-yl
	328	NHSO ₂ CH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
30	329	NHSO ₂ CH ₃	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	330	NHSO ₂ CH ₃	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	331	NHSO ₂ CH ₃	2-Cl-phenyl	2-methylimidazol-1-yl
	332	NHSO ₂ CH ₃	2-Cl-phenyl	2-ethylimidazol-1-yl
	333	NHSO ₂ CH ₃	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
35	334	NHSO ₂ CH ₃	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	335	NHSO ₂ CH ₃	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	336	NHSO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	337	NHSO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	338	NHSO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
40	339	NHSO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	340	NHSO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	341	NHSO ₂ CH ₃	phenyl	N-methylimidazol-2-yl
	342	NHSO ₂ CH ₃	phenyl	4-methylimidazol-5-yl
	343	NHSO ₂ CH ₃	phenyl	5-CF ₃ -pyrazol-1-yl
45	344	NHSO ₂ CH ₃	2-F-phenyl	N-methylimidazol-2-yl
	345	NHSO ₂ CH ₃	2-F-phenyl	4-methylimidazol-5-yl
	346	NHSO ₂ CH ₃	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	347	NHSO ₂ CH ₃	phenyl	guanidino
	348	NHSO ₂ CH ₃	phenyl	2-thiazolin-2-ylamine
50	349	NHSO ₂ CH ₃	phenyl	N-methyl-2-imidazolin-2-yl
	350	NHSO ₂ CH ₃	phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl

	351	NHSO ₂ CH ₃	phenyl	N-methylimidazol-2-ylthiol
	352	NHSO ₂ CH ₃	phenyl	t-butoxycarbonylamine
	353	NHSO ₂ CH ₃	phenyl	(N-pyrrolidino) formylimino
	354	NHSO ₂ CH ₃	phenyl	(N-pyrrolidino) formyl-N-
5				(methanesulfamoyl) imino
	355	NHSO ₂ CH ₃	2-F-phenyl	guanidino
	356	NHSO ₂ CH ₃	2-F-phenyl	2-thiazolin-2-ylamine
	357	NHSO ₂ CH ₃	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	358	NHSO ₂ CH ₃	2-F-phenyl	N-methyl-1,4,5,6-
10				tetrahydropyrimid-2-yl
	359	NHSO ₂ CH ₃	2-F-phenyl	N-methylimidazol-2-ylthio
	360	NHSO ₂ CH ₃	2-F-phenyl	t-butoxycarbonylamine
	361	NHSO ₂ CH ₃	2-F-phenyl	(N-pyrrolidino) formylimino
	362	NHSO ₂ CH ₃	2-F-phenyl	(N-pyrrolidino) formyl-N-
15				(methanesulfamoyl) imino
	363	NHSO ₂ CH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino) formylimino
	364	NHSO ₂ CH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino) formyl-N-
				(methanesulfamoyl) imino

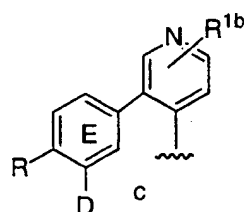
Table 4



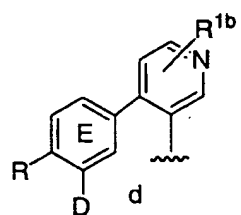
- a₁ R=F, D=NH₂
 a₂ R=H, D=NH₂
 a₃ R=F, D=CH₂NH₂
 a₄ R=H, D=CH₂NH₂
 a₅ R=F, D=C(=NH)NH₂
 a₆ R=H, D=C(=NH)NH₂
 a₇ R=F, D=C(O)NH₂
 a₈ R=H, D=C(O)NH₂



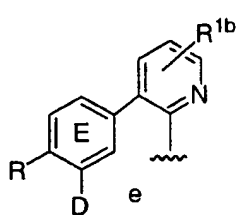
- b₁ R=F, D=NH₂
 b₂ R=H, D=NH₂
 b₃ R=F, D=CH₂NH₂
 b₄ R=H, D=CH₂NH₂
 b₅ R=F, D=C(=NH)NH₂
 b₆ R=H, D=C(=NH)NH₂
 b₇ R=F, D=C(O)NH₂
 b₈ R=H, D=C(O)NH₂



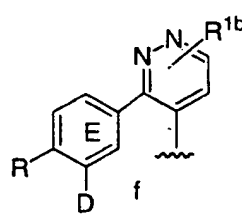
- c₁ R=F, D=NH₂
 c₂ R=H, D=NH₂
 c₃ R=F, D=CH₂NH₂
 c₄ R=H, D=CH₂NH₂
 c₅ R=F, D=C(=NH)NH₂
 c₆ R=H, D=C(=NH)NH₂
 c₇ R=F, D=C(O)NH₂
 c₈ R=H, D=C(O)NH₂



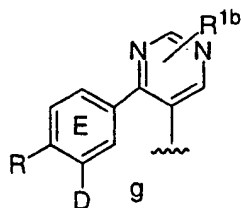
- d₁ R=F, D=NH₂
 d₂ R=H, D=NH₂
 d₃ R=F, D=CH₂NH₂
 d₄ R=H, D=CH₂NH₂
 d₅ R=F, D=C(=NH)NH₂
 d₆ R=H, D=C(=NH)NH₂
 d₇ R=F, D=C(O)NH₂
 d₈ R=H, D=C(O)NH₂



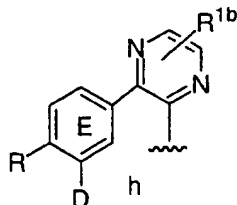
- e₁ R=F, D=NH₂
 e₂ R=H, D=NH₂
 e₃ R=F, D=CH₂NH₂
 e₄ R=H, D=CH₂NH₂
 e₅ R=F, D=C(=NH)NH₂
 e₆ R=H, D=C(=NH)NH₂
 e₇ R=F, D=C(O)NH₂
 e₈ R=H, D=C(O)NH₂



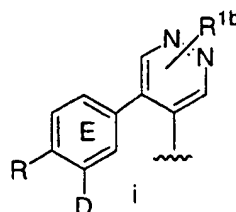
- f₁ R=F, D=NH₂
 f₂ R=H, D=NH₂
 f₃ R=F, D=CH₂NH₂
 f₄ R=H, D=CH₂NH₂
 f₅ R=F, D=C(=NH)NH₂
 f₆ R=H, D=C(=NH)NH₂
 f₇ R=F, D=C(O)NH₂
 f₈ R=H, D=C(O)NH₂



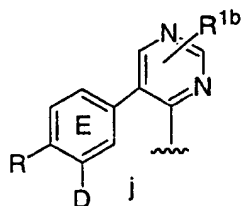
- g₁ R=F, D=NH₂
 g₂ R=H, D=NH₂
 g₃ R=F, D=CH₂NH₂
 g₄ R=H, D=CH₂NH₂
 g₅ R=F, D=C(=NH)NH₂
 g₆ R=H, D=C(=NH)NH₂
 g₇ R=F, D=C(O)NH₂
 g₈ R=H, D=C(O)NH₂



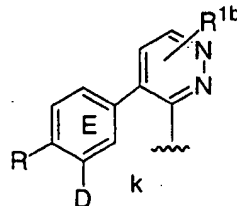
- h₁ R=F, D=NH₂
 h₂ R=H, D=NH₂
 h₃ R=F, D=CH₂NH₂
 h₄ R=H, D=CH₂NH₂
 h₅ R=F, D=C(=NH)NH₂
 h₆ R=H, D=C(=NH)NH₂
 h₇ R=F, D=C(O)NH₂
 h₈ R=H, D=C(O)NH₂



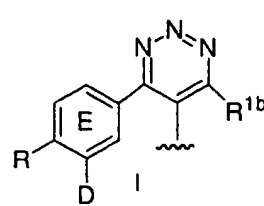
- i₁ R=F, D=NH₂
 i₂ R=H, D=NH₂
 i₃ R=F, D=CH₂NH₂
 i₄ R=H, D=CH₂NH₂
 i₅ R=F, D=C(=NH)NH₂
 i₆ R=H, D=C(=NH)NH₂
 i₇ R=F, D=C(O)NH₂
 i₈ R=H, D=C(O)NH₂



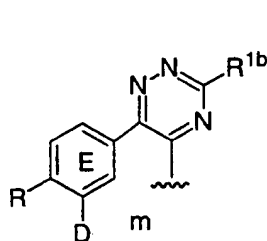
- j₁ R=F, D=NH₂
 j₂ R=H, D=NH₂
 j₃ R=F, D=CH₂NH₂
 j₄ R=H, D=CH₂NH₂
 j₅ R=F, D=C(=NH)NH₂
 j₆ R=H, D=C(=NH)NH₂
 j₇ R=F, D=C(O)NH₂
 j₈ R=H, D=C(O)NH₂



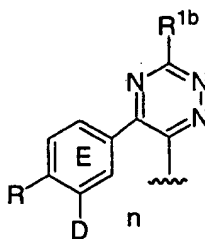
- k₁ R=F, D=NH₂
 k₂ R=H, D=NH₂
 k₃ R=F, D=CH₂NH₂
 k₄ R=H, D=CH₂NH₂
 k₅ R=F, D=C(=NH)NH₂
 k₆ R=H, D=C(=NH)NH₂
 k₇ R=F, D=C(O)NH₂
 k₈ R=H, D=C(O)NH₂



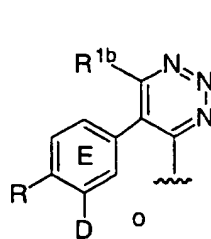
- l₁ R=F, D=NH₂
 l₂ R=H, D=NH₂
 l₃ R=F, D=CH₂NH₂
 l₄ R=H, D=CH₂NH₂
 l₅ R=F, D=C(=NH)NH₂
 l₆ R=H, D=C(=NH)NH₂
 l₇ R=F, D=C(O)NH₂
 l₈ R=H, D=C(O)NH₂



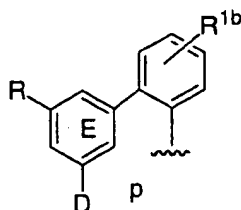
- m₁ R=F, D=NH₂
 m₂ R=H, D=NH₂
 m₃ R=F, D=CH₂NH₂
 m₄ R=H, D=CH₂NH₂
 m₅ R=F, D=C(=NH)NH₂
 m₆ R=H, D=C(=NH)NH₂
 m₇ R=F, D=C(O)NH₂
 m₈ R=H, D=C(O)NH₂



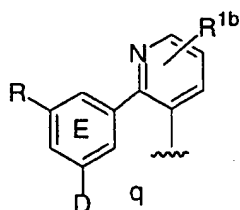
- n₁ R=F, D=NH₂
 n₂ R=H, D=NH₂
 n₃ R=F, D=CH₂NH₂
 n₄ R=H, D=CH₂NH₂
 n₅ R=F, D=C(=NH)NH₂
 n₆ R=H, D=C(=NH)NH₂
 n₇ R=F, D=C(O)NH₂
 n₈ R=H, D=C(O)NH₂



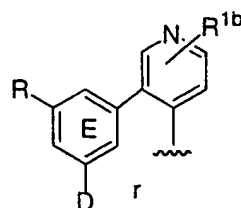
- o₁ R=F, D=NH₂
 o₂ R=H, D=NH₂
 o₃ R=F, D=CH₂NH₂
 o₄ R=H, D=CH₂NH₂
 o₅ R=F, D=C(=NH)NH₂
 o₆ R=H, D=C(=NH)NH₂
 o₇ R=F, D=C(O)NH₂
 o₈ R=H, D=C(O)NH₂



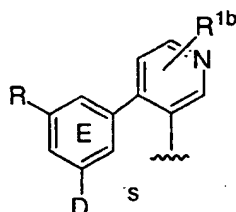
- p₁ R=F, D=NH₂
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 p₃ R=OMe, D=NH₂
 p₄ R=F, D=CH₂NH₂
 p₅ R=Cl, D=CH₂NH₂
 p₆ R=OMe, D=CH₂NH₂
 p₇ R=F, D=C(=NH)NH₂
 p₈ R=Cl, D=C(=NH)NH₂
 p₉ R=OMe, D=C(=NH)NH₂
 p₁₀ R=F, D=C(O)NH₂
 p₁₁ R=Cl, D=C(O)NH₂
 p₁₂ R=OMe, D=C(O)NH₂



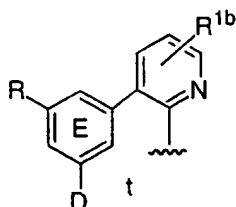
- q₁ R=F, D=NH₂
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 q₄ R=F, D=CH₂NH₂
 q₅ R=Cl, D=CH₂NH₂
 q₆ R=OMe, D=CH₂NH₂
 q₇ R=F, D=C(=NH)NH₂
 q₈ R=Cl, D=C(=NH)NH₂
 q₉ R=OMe, D=C(=NH)NH₂
 q₁₀ R=F, D=C(O)NH₂
 q₁₁ R=Cl, D=C(O)NH₂
 q₁₂ R=OMe, D=C(O)NH₂



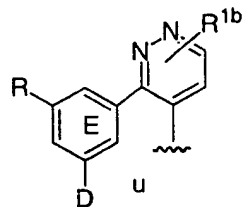
- r₁ R=F, D=NH₂
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 r₅ R=Cl, D=CH₂NH₂
 r₆ R=OMe, D=CH₂NH₂
 r₇ R=F, D=C(=NH)NH₂
 r₈ R=Cl, D=C(=NH)NH₂
 r₉ R=OMe, D=C(=NH)NH₂
 r₁₀ R=F, D=C(O)NH₂
 r₁₁ R=Cl, D=C(O)NH₂
 r₁₂ R=OMe, D=C(O)NH₂



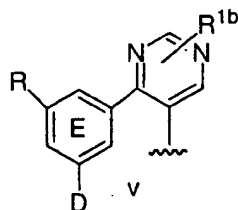
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 s₄ R=F, D=CH₂NH₂
 s₅ R=Cl, D=CH₂NH₂
 s₆ R=OMe, D=CH₂NH₂
 s₇ R=F, D=C(=NH)NH₂
 s₈ R=Cl, D=C(=NH)NH₂
 s₉ R=OMe, D=C(=NH)NH₂
 s₁₀ R=F, D=C(O)NH₂
 s₁₁ R=Cl, D=C(O)NH₂
 s₁₂ R=OMe, D=C(O)NH₂



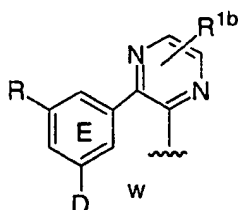
- t₁ R=F, D=NH₂
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 t₃ R=OMe, D=NH₂
 t₄ R=F, D=CH₂NH₂
 t₅ R=Cl, D=CH₂NH₂
 t₆ R=OMe, D=CH₂NH₂
 t₇ R=F, D=C(=NH)NH₂
 t₈ R=Cl, D=C(=NH)NH₂
 t₉ R=OMe, D=C(=NH)NH₂
 t₁₀ R=F, D=C(O)NH₂
 t₁₁ R=Cl, D=C(O)NH₂
 t₁₂ R=OMe, D=C(O)NH₂



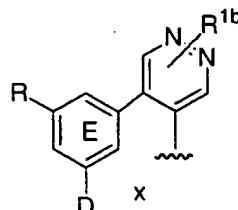
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 u₄ R=F, D=CH₂NH₂
 u₅ R=Cl, D=CH₂NH₂
 u₆ R=OMe, D=CH₂NH₂
 u₇ R=F, D=C(=NH)NH₂
 u₈ R=Cl, D=C(=NH)NH₂
 u₉ R=OMe, D=C(=NH)NH₂
 u₁₀ R=F, D=C(O)NH₂
 u₁₁ R=Cl, D=C(O)NH₂
 u₁₂ R=OMe, D=C(O)NH₂



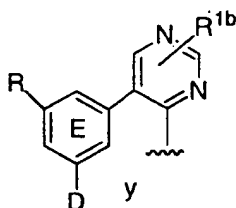
- v₁ R=F, D=NH₂
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v₃ R=OMe, D=NH₂
v₄ R=F, D=CH₂NH₂
v₅ R=Cl, D=CH₂NH₂
v₆ R=OMe, D=CH₂NH₂
v₇ R=F, D=C(=NH)NH₂
v₈ R=Cl, D=C(=NH)NH₂
v₉ R=OMe, D=C(=NH)NH₂
v₁₀ R=F, D=C(O)NH₂
v₁₁ R=Cl, D=C(O)NH₂
v₁₂ R=OMe, D=C(O)NH₂



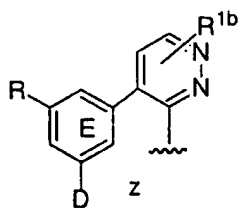
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w₄ R=F, D=CH₂NH₂
w₅ R=Cl, D=CH₂NH₂
w₆ R=OMe, D=CH₂NH₂
w₇ R=F, D=C(=NH)NH₂
w₈ R=Cl, D=C(=NH)NH₂
w₉ R=OMe, D=C(=NH)NH₂
w₁₀ R=F, D=C(O)NH₂
w₁₁ R=Cl, D=C(O)NH₂
w₁₂ R=OMe, D=C(O)NH₂



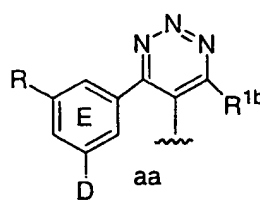
- x₁ R=F, D=NH₂
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x₃ R=OMe, D=NH₂
x₄ R=F, D=CH₂NH₂
x₅ R=Cl, D=CH₂NH₂
x₆ R=OMe, D=CH₂NH₂
x₇ R=F, D=C(=NH)NH₂
x₈ R=Cl, D=C(=NH)NH₂
x₉ R=OMe, D=C(=NH)NH₂
x₁₀ R=F, D=C(O)NH₂
x₁₁ R=Cl, D=C(O)NH₂
x₁₂ R=OMe, D=C(O)NH₂



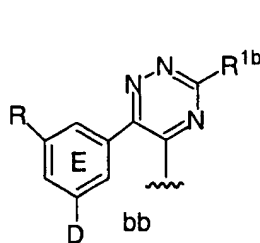
- y₁ R=F, D=NH₂
y₂ R=Cl, D=NH₂
y₃ R=OMe, D=NH₂
y₄ R=F, D=CH₂NH₂
y₅ R=Cl, D=CH₂NH₂
y₆ R=OMe, D=CH₂NH₂
y₇ R=F, D=C(=NH)NH₂
y₈ R=Cl, D=C(=NH)NH₂
y₉ R=OMe, D=C(=NH)NH₂
y₁₀ R=F, D=C(O)NH₂
y₁₁ R=Cl, D=C(O)NH₂
y₁₂ R=OMe, D=C(O)NH₂



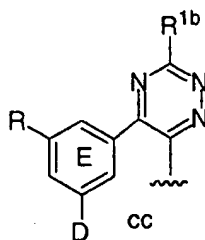
- z₁ R=F, D=NH₂
z₂ R=Cl, D=NH₂
z₃ R=OMe, D=NH₂
z₄ R=F, D=CH₂NH₂
z₅ R=Cl, D=CH₂NH₂
z₆ R=OMe, D=CH₂NH₂
z₇ R=F, D=C(=NH)NH₂
z₈ R=Cl, D=C(=NH)NH₂
z₉ R=OMe, D=C(=NH)NH₂
z₁₀ R=F, D=C(O)NH₂
z₁₁ R=Cl, D=C(O)NH₂
z₁₂ R=OMe, D=C(O)NH₂



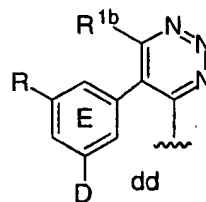
- aa₁ R=F, D=NH₂
aa₂ R=Cl, D=NH₂
aa₃ R=OMe, D=NH₂
aa₄ R=F, D=CH₂NH₂
aa₅ R=Cl, D=CH₂NH₂
aa₆ R=OMe, D=CH₂NH₂
aa₇ R=F, D=C(=NH)NH₂
aa₈ R=Cl, D=C(=NH)NH₂
aa₉ R=OMe, D=C(=NH)NH₂
aa₁₀ R=F, D=C(O)NH₂
aa₁₁ R=Cl, D=C(O)NH₂
aa₁₂ R=OMe, D=C(O)NH₂



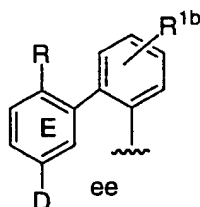
- bb₁ R=F, D=NH₂
 bb₂ R=Cl, D=NH₂
 bb₃ R=OMe, D=NH₂
 bb₄ R=F, D=CH₂NH₂
 bb₅ R=Cl, D=CH₂NH₂
 bb₆ R=OMe, D=CH₂NH₂
 bb₇ R=F, D=C(=NH)NH₂
 bb₈ R=Cl, D=C(=NH)NH₂
 bb₉ R=OMe, D=C(=NH)NH₂
 bb₁₀ R=F, D=C(O)NH₂
 bb₁₁ R=Cl, D=C(O)NH₂
 bb₁₂ R=OMe, D=C(O)NH₂



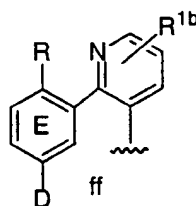
- cc₁ R=F, D=NH₂
 cc₂ R=Cl, D=NH₂
 cc₃ R=OMe, D=NH₂
 cc₄ R=F, D=CH₂NH₂
 cc₅ R=Cl, D=CH₂NH₂
 cc₆ R=OMe, D=CH₂NH₂
 cc₇ R=F, D=C(=NH)NH₂
 cc₈ R=Cl, D=C(=NH)NH₂
 cc₉ R=OMe, D=C(=NH)NH₂
 cc₁₀ R=F, D=C(O)NH₂
 cc₁₁ R=Cl, D=C(O)NH₂
 cc₁₂ R=OMe, D=C(O)NH₂



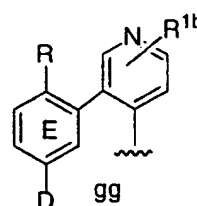
- dd₁ R=F, D=NH₂
 dd₂ R=Cl, D=NH₂
 dd₃ R=OMe, D=NH₂
 dd₄ R=F, D=CH₂NH₂
 dd₅ R=Cl, D=CH₂NH₂
 dd₆ R=OMe, D=CH₂NH₂
 dd₇ R=F, D=C(=NH)NH₂
 dd₈ R=Cl, D=C(=NH)NH₂
 dd₉ R=OMe, D=C(=NH)NH₂
 dd₁₀ R=F, D=C(O)NH₂
 dd₁₁ R=Cl, D=C(O)NH₂
 dd₁₂ R=OMe, D=C(O)NH₂



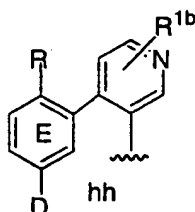
- ee₁ R=F, D=CH₂NH₂
 ee₂ R=Cl, D=CH₂NH₂
 ee₃ R=OMe, D=CH₂NH₂
 ee₄ R=CH₂NH₂,
 D=CH₂NH₂



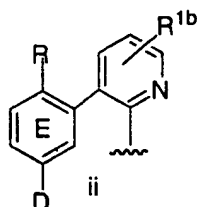
- ff₁ R=F, D=CH₂NH₂
 ff₂ R=Cl, D=CH₂NH₂
 ff₃ R=OMe, D=CH₂NH₂
 ff₄ R=CH₂NH₂,
 D=CH₂NH₂



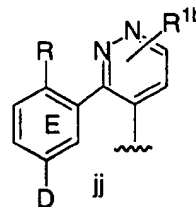
- gg₁ R=F, D=CH₂NH₂
 gg₂ R=Cl, D=CH₂NH₂
 gg₃ R=OMe, D=CH₂NH₂
 gg₄ R=CH₂NH₂,
 D=CH₂NH₂



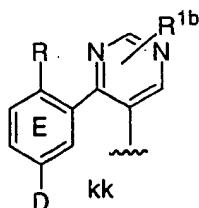
- hh₁ R=F, D=CH₂NH₂
 hh₂ R=Cl, D=CH₂NH₂
 hh₃ R=OMe, D=CH₂NH₂
 hh₄ R=CH₂NH₂,
 D=CH₂NH₂



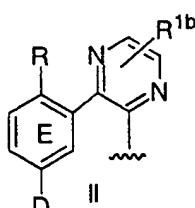
- ii₁ R=F, D=CH₂NH₂
 ii₂ R=Cl, D=CH₂NH₂
 ii₃ R=OMe, D=CH₂NH₂
 ii₄ R=CH₂NH₂,
 D=CH₂NH₂



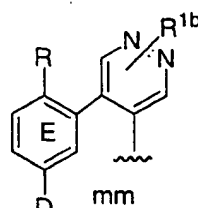
- jj₁ R=F, D=CH₂NH₂
 jj₂ R=Cl, D=CH₂NH₂
 jj₃ R=OMe, D=CH₂NH₂
 jj₄ R=CH₂NH₂,
 D=CH₂NH₂



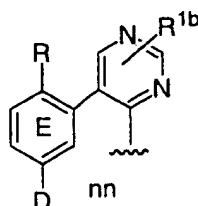
kk₁ R=F, D=CH₂NH₂
 kk₂ R=Cl, D=CH₂NH₂
 kk₃ R=OMe, D=CH₂NH₂
 kk₄ R=CH₂NH₂,
 D=CH₂NH₂



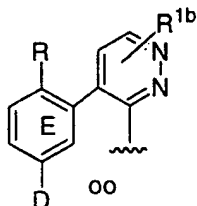
ll₁ R=F, D=CH₂NH₂
 ll₂ R=Cl, D=CH₂NH₂
 ll₃ R=OMe, D=CH₂NH₂
 ll₄ R=CH₂NH₂,
 D=CH₂NH₂



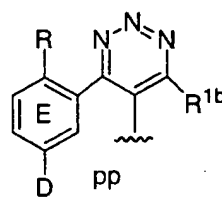
mm₁ R=F, D=CH₂NH₂
 mm₂ R=Cl, D=CH₂NH₂
 mm₃ R=OMe, D=CH₂NH₂
 mm₄ R=CH₂NH₂,
 D=CH₂NH₂



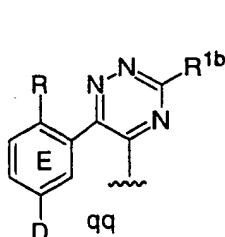
nn₁ R=F, D=CH₂NH₂
 nn₂ R=Cl, D=CH₂NH₂
 nn₃ R=OMe, D=CH₂NH₂
 nn₄ R=CH₂NH₂,
 D=CH₂NH₂



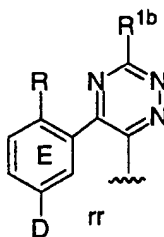
oo₁ R=F, D=CH₂NH₂
 oo₂ R=Cl, D=CH₂NH₂
 oo₃ R=OMe, D=CH₂NH₂
 oo₄ R=CH₂NH₂,
 D=CH₂NH₂



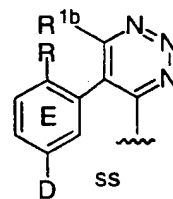
pp₁ R=F, D=CH₂NH₂
 pp₂ R=Cl, D=CH₂NH₂
 pp₃ R=OMe, D=CH₂NH₂
 pp₄ R=CH₂NH₂,
 D=CH₂NH₂



qq₁ R=F, D=CH₂NH₂
 qq₂ R=Cl, D=CH₂NH₂
 qq₃ R=OMe, D=CH₂NH₂
 qq₄ R=CH₂NH₂,
 D=CH₂NH₂



rr₁ R=F, D=CH₂NH₂
 rr₂ R=Cl, D=CH₂NH₂
 rr₃ R=OMe, D=CH₂NH₂
 rr₄ R=CH₂NH₂,
 D=CH₂NH₂



ss₁ R=F, D=CH₂NH₂
 ss₂ R=Cl, D=CH₂NH₂
 ss₃ R=OMe, D=CH₂NH₂
 ss₄ R=CH₂NH₂,
 D=CH₂NH₂

5	Ex#	R ^{1b}	A	B
	1	H	phenyl	2-(aminosulfonyl)phenyl
	2	H	phenyl	2-(methylaminosulfonyl)phenyl
	3	H	phenyl	1-pyrrolidinocarbonyl
	4	H	phenyl	2-(methylsulfonyl)phenyl
10	5	H	phenyl	4-morpholino
	6	H	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	7	H	phenyl	4-morpholinocarbonyl
	8	H	2-pyridyl	2-(aminosulfonyl)phenyl
	9	H	2-pyridyl	2-(methylaminosulfonyl)phenyl
15	10	H	2-pyridyl	1-pyrrolidinocarbonyl
	11	H	2-pyridyl	2-(methylsulfonyl)phenyl
	12	H	2-pyridyl	4-morpholino

	13	H	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	14	H	2-pyridyl	4-morpholinocarbonyl
	15	H	3-pyridyl	2-(aminosulfonyl)phenyl
	16	H	3-pyridyl	2-(methylaninosulfonyl)phenyl
5	17	H	3-pyridyl	1-pyrrolidinocarbonyl
	18	H	3-pyridyl	2-(methylsulfonyl)phenyl
	19	H	3-pyridyl	4-morpholino
	20	H	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	21	H	3-pyridyl	4-morpholinocarbonyl
10	22	H	2-pyrimidyl	2-(aminosulfonyl)phenyl
	23	H	2-pyrimidyl	2-(methylaninosulfonyl)phenyl
	24	H	2-pyrimidyl	1-pyrrolidinocarbonyl
	25	H	2-pyrimidyl	2-(methylsulfonyl)phenyl
	26	H	2-pyrimidyl	4-morpholino
15	27	H	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	28	H	2-pyrimidyl	4-morpholinocarbonyl
	29	H	5-pyrimidyl	2-(aminosulfonyl)phenyl
	30	H	5-pyrimidyl	2-(methylaninosulfonyl)phenyl
	31	H	5-pyrimidyl	1-pyrrolidinocarbonyl
20	32	H	5-pyrimidyl	2-(methylsulfonyl)phenyl
	33	H	5-pyrimidyl	4-morpholino
	34	H	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	35	H	5-pyrimidyl	4-morpholinocarbonyl
	36	H	2-Cl-phenyl	2-(aminosulfonyl)phenyl
25	37	H	2-Cl-phenyl	2-(methylaninosulfonyl)phenyl
	38	H	2-Cl-phenyl	1-pyrrolidinocarbonyl
	39	H	2-Cl-phenyl	2-(methylsulfonyl)phenyl
	40	H	2-Cl-phenyl	4-morpholino
	41	H	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
30	42	H	2-Cl-phenyl	4-morpholinocarbonyl
	43	H	2-F-phenyl	2-(aminosulfonyl)phenyl
	44	H	2-F-phenyl	2-(methylaninosulfonyl)phenyl
	45	H	2-F-phenyl	1-pyrrolidinocarbonyl
	46	H	2-F-phenyl	2-(methylsulfonyl)phenyl
35	47	H	2-F-phenyl	4-morpholino
	48	H	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	49	H	2-F-phenyl	4-morpholinocarbonyl
	50	H	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	51	H	2,5-diF-phenyl	2-(methylaninosulfonyl)phenyl
40	52	H	2,5-diF-phenyl	1-pyrrolidinocarbonyl
	53	H	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
	54	H	2,5-diF-phenyl	4-morpholino
	55	H	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	56	H	2,5-diF-phenyl	4-morpholinocarbonyl
45	57	-CN	phenyl	2-(aminosulfonyl)phenyl
	58	-CN	phenyl	2-(methylaninosulfonyl)phenyl
	59	-CN	phenyl	1-pyrrolidinocarbonyl
	60	-CN	phenyl	2-(methylsulfonyl)phenyl
	61	-CN	phenyl	4-morpholino
50	62	-CN	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	63	-CN	phenyl	4-morpholinocarbonyl
	64	-CN	2-pyridyl	2-(aminosulfonyl)phenyl
	65	-CN	2-pyridyl	2-(methylaninosulfonyl)phenyl
	66	-CN	2-pyridyl	1-pyrrolidinocarbonyl
55	67	-CN	2-pyridyl	2-(methylsulfonyl)phenyl
	68	-CN	2-pyridyl	4-morpholino

69	-CN	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
70	-CN	2-pyridyl	4-morpholinocarbonyl
71	-CN	3-pyridyl	2-(aminosulfonyl)phenyl
72	-CN	3-pyridyl	2-(methylaminosulfonyl)phenyl
5 73	-CN	3-pyridyl	1-pyrrolidinocarbonyl
74	-CN	3-pyridyl	2-(methysulfonyl)phenyl
75	-CN	3-pyridyl	4-morpholino
76	-CN	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
77	-CN	3-pyridyl	4-morpholinocarbonyl
10 78	-CN	2-pyrimidyl	2-(aminosulfonyl)phenyl
79	-CN	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
80	-CN	2-pyrimidyl	1-pyrrolidinocarbonyl
81	-CN	2-pyrimidyl	2-(methysulfonyl)phenyl
82	-CN	2-pyrimidyl	4-morpholino
15 83	-CN	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
84	-CN	2-pyrimidyl	4-morpholinocarbonyl
85	-CN	5-pyrimidyl	2-(aminosulfonyl)phenyl
86	-CN	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
87	-CN	5-pyrimidyl	1-pyrrolidinocarbonyl
20 88	-CN	5-pyrimidyl	2-(methysulfonyl)phenyl
89	-CN	5-pyrimidyl	4-morpholino
90	-CN	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
91	-CN	5-pyrimidyl	4-morpholinocarbonyl
92	-CN	2-Cl-phenyl	2-(aminosulfonyl)phenyl
25 93	-CN	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
94	-CN	2-Cl-phenyl	1-pyrrolidinocarbonyl
95	-CN	2-Cl-phenyl	2-(methysulfonyl)phenyl
96	-CN	2-Cl-phenyl	4-morpholino
97	-CN	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
30 98	-CN	2-Cl-phenyl	4-morpholinocarbonyl
99	-CN	2-F-phenyl	2-(aminosulfonyl)phenyl
100	-CN	2-F-phenyl	2-(methylaminosulfonyl)phenyl
101	-CN	2-F-phenyl	1-pyrrolidinocarbonyl
102	-CN	2-F-phenyl	2-(methysulfonyl)phenyl
35 103	-CN	2-F-phenyl	4-morpholino
104	-CN	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
105	-CN	2-F-phenyl	4-morpholinocarbonyl
106	-CN	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
107	-CN	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl
40 108	-CN	2,5-diF-phenyl	1-pyrrolidinocarbonyl
109	-CN	2,5-diF-phenyl	2-(methysulfonyl)phenyl
110	-CN	2,5-diF-phenyl	4-morpholino
111	-CN	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
112	-CN	2,5-diF-phenyl	4-morpholinocarbonyl
45 113	CF ₃	phenyl	2-(aminosulfonyl)phenyl
114	CF ₃	phenyl	2-(methylaminosulfonyl)phenyl
115	CF ₃	phenyl	1-pyrrolidinocarbonyl
116	CF ₃	phenyl	2-(methysulfonyl)phenyl
117	CF ₃	phenyl	4-morpholino
50 118	CF ₃	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
119	CF ₃	phenyl	4-morpholinocarbonyl
120	CF ₃	2-pyridyl	2-(aminosulfonyl)phenyl
121	CF ₃	2-pyridyl	2-(methylaminosulfonyl)phenyl
122	CF ₃	2-pyridyl	1-pyrrolidinocarbonyl
55 123	CF ₃	2-pyridyl	2-(methysulfonyl)phenyl

	124	CF ₃	2-pyridyl	4-morpholino
	125	CF ₃	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	126	CF ₃	2-pyridyl	4-morpholinocarbonyl
	127	CF ₃	3-pyridyl	2-(aminosulfonyl)phenyl
5	128	CF ₃	3-pyridyl	2-(methylaminosulfonyl)phenyl
	129	CF ₃	3-pyridyl	1-pyrrolidinocarbonyl
	130	CF ₃	3-pyridyl	2-(methylsulfonyl)phenyl
	131	CF ₃	3-pyridyl	4-morpholino
	132	CF ₃	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
10	133	CF ₃	3-pyridyl	4-morpholinocarbonyl
	134	CF ₃	2-pyrimidyl	2-(aminosulfonyl)phenyl
	135	CF ₃	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
	136	CF ₃	2-pyrimidyl	1-pyrrolidinocarbonyl
	137	CF ₃	2-pyrimidyl	2-(methylsulfonyl)phenyl
15	138	CF ₃	2-pyrimidyl	4-morpholino
	139	CF ₃	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	140	CF ₃	2-pyrimidyl	4-morpholinocarbonyl
	141	CF ₃	5-pyrimidyl	2-(aminosulfonyl)phenyl
	142	CF ₃	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
20	143	CF ₃	5-pyrimidyl	1-pyrrolidinocarbonyl
	144	CF ₃	5-pyrimidyl	2-(methylsulfonyl)phenyl
	145	CF ₃	5-pyrimidyl	4-morpholino
	146	CF ₃	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	147	CF ₃	5-pyrimidyl	4-morpholinocarbonyl
25	148	CF ₃	2-Cl-phenyl	2-(aminosulfonyl)phenyl
	149	CF ₃	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
	150	CF ₃	2-Cl-phenyl	1-pyrrolidinocarbonyl
	151	CF ₃	2-Cl-phenyl	2-(methylsulfonyl)phenyl
	152	CF ₃	2-Cl-phenyl	4-morpholino
30	153	CF ₃	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	154	CF ₃	2-Cl-phenyl	4-morpholinocarbonyl
	155	CF ₃	2-F-phenyl	2-(aminosulfonyl)phenyl
	156	CF ₃	2-F-phenyl	2-(methylaminosulfonyl)phenyl
	157	CF ₃	2-F-phenyl	1-pyrrolidinocarbonyl
35	158	CF ₃	2-F-phenyl	2-(methylsulfonyl)phenyl
	159	CF ₃	2-F-phenyl	4-morpholino
	160	CF ₃	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	161	CF ₃	2-F-phenyl	4-morpholinocarbonyl
	162	CF ₃	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
40	163	CF ₃	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl
	164	CF ₃	2,5-diF-phenyl	1-pyrrolidinocarbonyl
	165	CF ₃	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
	166	CF ₃	2,5-diF-phenyl	4-morpholino
	167	CF ₃	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
45	168	CF ₃	2,5-diF-phenyl	4-morpholinocarbonyl
	169	CONH ₂	phenyl	2-(aminosulfonyl)phenyl
	170	CONH ₂	phenyl	2-(methylaminosulfonyl)phenyl
	171	CONH ₂	phenyl	1-pyrrolidinocarbonyl
	172	CONH ₂	phenyl	2-(methylsulfonyl)phenyl
50	173	CONH ₂	phenyl	4-morpholino
	174	CONH ₂	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	175	CONH ₂	phenyl	4-morpholinocarbonyl

	176	CONH ₂	2-pyridyl	2-(aminosulfonyl)phenyl
	177	CONH ₂	2-pyridyl	2-(methylaninosulfonyl)phenyl
	178	CONH ₂	2-pyridyl	1-pyrrolidinocarbonyl
	179	CONH ₂	2-pyridyl	2-(methysulfonyl)phenyl
5	180	CONH ₂	2-pyridyl	4-morpholino
	181	CONH ₂	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	182	CONH ₂	2-pyridyl	4-morpholinocarbonyl
	183	CONH ₂	3-pyridyl	2-(aminosulfonyl)phenyl
	184	CONH ₂	3-pyridyl	2-(methylaninosulfonyl)phenyl
10	185	CONH ₂	3-pyridyl	1-pyrrolidinocarbonyl
	186	CONH ₂	3-pyridyl	2-(methysulfonyl)phenyl
	187	CONH ₂	3-pyridyl	4-morpholino
	188	CONH ₂	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	189	CONH ₂	3-pyridyl	4-morpholinocarbonyl
15	190	CONH ₂	2-pyrimidyl	2-(aminosulfonyl)phenyl
	191	CONH ₂	2-pyrimidyl	2-(methylaninosulfonyl)phenyl
	192	CONH ₂	2-pyrimidyl	1-pyrrolidinocarbonyl
	193	CONH ₂	2-pyrimidyl	2-(methysulfonyl)phenyl
	194	CONH ₂	2-pyrimidyl	4-morpholino
20	195	CONH ₂	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	196	CONH ₂	2-pyrimidyl	4-morpholinocarbonyl
	197	CONH ₂	5-pyrimidyl	2-(aminosulfonyl)phenyl
	198	CONH ₂	5-pyrimidyl	2-(methylaninosulfonyl)phenyl
	199	CONH ₂	5-pyrimidyl	1-pyrrolidinocarbonyl
25	200	CONH ₂	5-pyrimidyl	2-(methysulfonyl)phenyl
	201	CONH ₂	5-pyrimidyl	4-morpholino
	202	CONH ₂	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	203	CONH ₂	5-pyrimidyl	4-morpholinocarbonyl
	204	CONH ₂	2-Cl-phenyl	2-(aminosulfonyl)phenyl
30	205	CONH ₂	2-Cl-phenyl	2-(methylaninosulfonyl)phenyl
	206	CONH ₂	2-Cl-phenyl	1-pyrrolidinocarbonyl
	207	CONH ₂	2-Cl-phenyl	2-(methysulfonyl)phenyl
	208	CONH ₂	2-Cl-phenyl	4-morpholino
	209	CONH ₂	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
35	210	CONH ₂	2-Cl-phenyl	4-morpholinocarbonyl
	211	CONH ₂	2-F-phenyl	2-(aminosulfonyl)phenyl
	212	CONH ₂	2-F-phenyl	2-(methylaninosulfonyl)phenyl
	213	CONH ₂	2-F-phenyl	1-pyrrolidinocarbonyl
	214	CONH ₂	2-F-phenyl	2-(methysulfonyl)phenyl
40	215	CONH ₂	2-F-phenyl	4-morpholino
	216	CONH ₂	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	217	CONH ₂	2-F-phenyl	4-morpholinocarbonyl
	218	CONH ₂	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	219	CONH ₂	2,5-diF-phenyl	2-(methylaninosulfonyl)phenyl
45	220	CONH ₂	2,5-diF-phenyl	1-pyrrolidinocarbonyl
	221	CONH ₂	2,5-diF-phenyl	2-(methysulfonyl)phenyl
	222	CONH ₂	2,5-diF-phenyl	4-morpholino
	223	CONH ₂	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	224	CONH ₂	2,5-diF-phenyl	4-morpholinocarbonyl
50	225	SCH ₃	phenyl	2-(aminosulfonyl)phenyl
	226	SCH ₃	phenyl	2-(methylaninosulfonyl)phenyl
	227	SCH ₃	phenyl	1-pyrrolidinocarbonyl

	228	SCH ₃	phenyl	2-(methylsulfonyl)phenyl
	229	SCH ₃	phenyl	4-morpholino
	230	SCH ₃	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	231	SCH ₃	phenyl	4-morpholinocarbonyl
5	232	SCH ₃	2-pyridyl	2-(aminosulfonyl)phenyl
	233	SCH ₃	2-pyridyl	2-(methylaminosulfonyl)phenyl
	234	SCH ₃	2-pyridyl	1-pyrrolidinocarbonyl
	235	SCH ₃	2-pyridyl	2-(methylsulfonyl)phenyl
	236	SCH ₃	2-pyridyl	4-morpholino
10	237	SCH ₃	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	238	SCH ₃	2-pyridyl	4-morpholinocarbonyl
	239	SCH ₃	3-pyridyl	2-(aminosulfonyl)phenyl
	240	SCH ₃	3-pyridyl	2-(methylaminosulfonyl)phenyl
	241	SCH ₃	3-pyridyl	1-pyrrolidinocarbonyl
15	242	SCH ₃	3-pyridyl	2-(methylsulfonyl)phenyl
	243	SCH ₃	3-pyridyl	4-morpholino
	244	SCH ₃	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	245	SCH ₃	3-pyridyl	4-morpholinocarbonyl
	246	SCH ₃	2-pyrimidyl	2-(aminosulfonyl)phenyl
20	247	SCH ₃	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
	248	SCH ₃	2-pyrimidyl	1-pyrrolidinocarbonyl
	249	SCH ₃	2-pyrimidyl	2-(methylsulfonyl)phenyl
	250	SCH ₃	2-pyrimidyl	4-morpholino
	251	SCH ₃	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
25	252	SCH ₃	2-pyrimidyl	4-morpholinocarbonyl
	253	SCH ₃	5-pyrimidyl	2-(aminosulfonyl)phenyl
	254	SCH ₃	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
	255	SCH ₃	5-pyrimidyl	1-pyrrolidinocarbonyl
	256	SCH ₃	5-pyrimidyl	2-(methylsulfonyl)phenyl
30	257	SCH ₃	5-pyrimidyl	4-morpholino
	258	SCH ₃	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	259	SCH ₃	5-pyrimidyl	4-morpholinocarbonyl
	260	SCH ₃	2-Cl-phenyl	2-(aminosulfonyl)phenyl
	261	SCH ₃	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
35	262	SCH ₃	2-Cl-phenyl	1-pyrrolidinocarbonyl
	263	SCH ₃	2-Cl-phenyl	2-(methylsulfonyl)phenyl
	264	SCH ₃	2-Cl-phenyl	4-morpholino
	265	SCH ₃	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	266	SCH ₃	2-Cl-phenyl	4-morpholinocarbonyl
40	267	SCH ₃	2-F-phenyl	2-(aminosulfonyl)phenyl
	268	SCH ₃	2-F-phenyl	2-(methylaminosulfonyl)phenyl
	269	SCH ₃	2-F-phenyl	1-pyrrolidinocarbonyl
	270	SCH ₃	2-F-phenyl	2-(methylsulfonyl)phenyl
	271	SCH ₃	2-F-phenyl	4-morpholino
45	272	SCH ₃	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	273	SCH ₃	2-F-phenyl	4-morpholinocarbonyl
	274	SCH ₃	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	275	SCH ₃	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl
	276	SCH ₃	2,5-diF-phenyl	1-pyrrolidinocarbonyl
50	277	SCH ₃	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
	278	SCH ₃	2,5-diF-phenyl	4-morpholino
	279	SCH ₃	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl

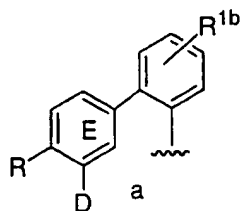
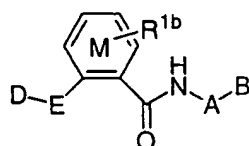
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	281	SO ₂ CH ₃	phenyl	2-(aminosulfonyl)phenyl
	282	SO ₂ CH ₃	phenyl	2-(methyaminosulfonyl)phenyl
	283	SO ₂ CH ₃	phenyl	1-pyrrolidinocarbonyl
5	284	SO ₂ CH ₃	phenyl	2-(methylsulfonyl)phenyl
	285	SO ₂ CH ₃	phenyl	4-morpholino
	286	SO ₂ CH ₃	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	287	SO ₂ CH ₃	phenyl	4-morpholinocarbonyl
	288	SO ₂ CH ₃	2-pyridyl	2-(aminosulfonyl)phenyl
10	289	SO ₂ CH ₃	2-pyridyl	2-(methyaminosulfonyl)phenyl
	290	SO ₂ CH ₃	2-pyridyl	1-pyrrolidinocarbonyl
	291	SO ₂ CH ₃	2-pyridyl	2-(methylsulfonyl)phenyl
	292	SO ₂ CH ₃	2-pyridyl	4-morpholino
	293	SO ₂ CH ₃	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
15	294	SO ₂ CH ₃	2-pyridyl	4-morpholinocarbonyl
	295	SO ₂ CH ₃	3-pyridyl	2-(aminosulfonyl)phenyl
	296	SO ₂ CH ₃	3-pyridyl	2-(methyaminosulfonyl)phenyl
	297	SO ₂ CH ₃	3-pyridyl	1-pyrrolidinocarbonyl
	298	SO ₂ CH ₃	3-pyridyl	2-(methylsulfonyl)phenyl
20	299	SO ₂ CH ₃	3-pyridyl	4-morpholino
	300	SO ₂ CH ₃	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	301	SO ₂ CH ₃	3-pyridyl	4-morpholinocarbonyl
	302	SO ₂ CH ₃	2-pyrimidyl	2-(aminosulfonyl)phenyl
	303	SO ₂ CH ₃	2-pyrimidyl	2-(methyaminosulfonyl)phenyl
25	304	SO ₂ CH ₃	2-pyrimidyl	1-pyrrolidinocarbonyl
	305	SO ₂ CH ₃	2-pyrimidyl	2-(methylsulfonyl)phenyl
	306	SO ₂ CH ₃	2-pyrimidyl	4-morpholino
	307	SO ₂ CH ₃	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	308	SO ₂ CH ₃	2-pyrimidyl	4-morpholinocarbonyl
30	309	SO ₂ CH ₃	5-pyrimidyl	2-(aminosulfonyl)phenyl
	310	SO ₂ CH ₃	5-pyrimidyl	2-(methyaminosulfonyl)phenyl
	311	SO ₂ CH ₃	5-pyrimidyl	1-pyrrolidinocarbonyl
	312	SO ₂ CH ₃	5-pyrimidyl	2-(methylsulfonyl)phenyl
	313	SO ₂ CH ₃	5-pyrimidyl	4-morpholino
35	314	SO ₂ CH ₃	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	315	SO ₂ CH ₃	5-pyrimidyl	4-morpholinocarbonyl
	316	SO ₂ CH ₃	2-Cl-phenyl	2-(aminosulfonyl)phenyl
	317	SO ₂ CH ₃	2-Cl-phenyl	2-(methyaminosulfonyl)phenyl
	318	SO ₂ CH ₃	2-Cl-phenyl	1-pyrrolidinocarbonyl
40	319	SO ₂ CH ₃	2-Cl-phenyl	2-(methylsulfonyl)phenyl
	320	SO ₂ CH ₃	2-Cl-phenyl	4-morpholino
	321	SO ₂ CH ₃	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	322	SO ₂ CH ₃	2-Cl-phenyl	4-morpholinocarbonyl
	323	SO ₂ CH ₃	2-F-phenyl	2-(aminosulfonyl)phenyl
45	324	SO ₂ CH ₃	2-F-phenyl	2-(methyaminosulfonyl)phenyl
	325	SO ₂ CH ₃	2-F-phenyl	1-pyrrolidinocarbonyl
	326	SO ₂ CH ₃	2-F-phenyl	2-(methylsulfonyl)phenyl
	327	SO ₂ CH ₃	2-F-phenyl	4-morpholino
	328	SO ₂ CH ₃	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
50	329	SO ₂ CH ₃	2-F-phenyl	4-morpholinocarbonyl
	330	SO ₂ CH ₃	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	331	SO ₂ CH ₃	2,5-diF-phenyl	2-(methyaminosulfonyl)phenyl

	332	SO ₂ CH ₃	2,5-diF-phenyl	1-pyrrolidinocarbonyl
	333	SO ₂ CH ₃	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
	334	SO ₂ CH ₃	2,5-diF-phenyl	4-morpholino
	335	SO ₂ CH ₃	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
5	336	SO ₂ CH ₃	2,5-diF-phenyl	4-morpholinocarbonyl
	337	NHSO ₂ CH ₃	phenyl	2-(aminosulfonyl)phenyl
	338	NHSO ₂ CH ₃	phenyl	2-(methylaminosulfonyl)phenyl
	339	NHSO ₂ CH ₃	phenyl	1-pyrrolidinocarbonyl
	340	NHSO ₂ CH ₃	phenyl	2-(methylsulfonyl)phenyl
10	341	NHSO ₂ CH ₃	phenyl	4-morpholino
	342	NHSO ₂ CH ₃	phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	343	NHSO ₂ CH ₃	phenyl	4-morpholinocarbonyl
	344	NHSO ₂ CH ₃	2-pyridyl	2-(aminosulfonyl)phenyl
	345	NHSO ₂ CH ₃	2-pyridyl	2-(methylaminosulfonyl)phenyl
15	346	NHSO ₂ CH ₃	2-pyridyl	1-pyrrolidinocarbonyl
	347	NHSO ₂ CH ₃	2-pyridyl	2-(methylsulfonyl)phenyl
	348	NHSO ₂ CH ₃	2-pyridyl	4-morpholino
	349	NHSO ₂ CH ₃	2-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	350	NHSO ₂ CH ₃	2-pyridyl	4-morpholinocarbonyl
20	351	NHSO ₂ CH ₃	3-pyridyl	2-(aminosulfonyl)phenyl
	352	NHSO ₂ CH ₃	3-pyridyl	2-(methylaminosulfonyl)phenyl
	353	NHSO ₂ CH ₃	3-pyridyl	1-pyrrolidinocarbonyl
	354	NHSO ₂ CH ₃	3-pyridyl	2-(methylsulfonyl)phenyl
	355	NHSO ₂ CH ₃	3-pyridyl	4-morpholino
25	356	NHSO ₂ CH ₃	3-pyridyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	357	NHSO ₂ CH ₃	3-pyridyl	4-morpholinocarbonyl
	358	NHSO ₂ CH ₃	2-pyrimidyl	2-(aminosulfonyl)phenyl
	359	NHSO ₂ CH ₃	2-pyrimidyl	2-(methylaminosulfonyl)phenyl
	360	NHSO ₂ CH ₃	2-pyrimidyl	1-pyrrolidinocarbonyl
30	361	NHSO ₂ CH ₃	2-pyrimidyl	2-(methylsulfonyl)phenyl
	362	NHSO ₂ CH ₃	2-pyrimidyl	4-morpholino
	363	NHSO ₂ CH ₃	2-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	364	NHSO ₂ CH ₃	2-pyrimidyl	4-morpholinocarbonyl
	365	NHSO ₂ CH ₃	5-pyrimidyl	2-(aminosulfonyl)phenyl
35	366	NHSO ₂ CH ₃	5-pyrimidyl	2-(methylaminosulfonyl)phenyl
	367	NHSO ₂ CH ₃	5-pyrimidyl	1-pyrrolidinocarbonyl
	368	NHSO ₂ CH ₃	5-pyrimidyl	2-(methylsulfonyl)phenyl
	369	NHSO ₂ CH ₃	5-pyrimidyl	4-morpholino
	370	NHSO ₂ CH ₃	5-pyrimidyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
40	371	NHSO ₂ CH ₃	5-pyrimidyl	4-morpholinocarbonyl
	372	NHSO ₂ CH ₃	2-Cl-phenyl	2-(aminosulfonyl)phenyl
	373	NHSO ₂ CH ₃	2-Cl-phenyl	2-(methylaminosulfonyl)phenyl
	374	NHSO ₂ CH ₃	2-Cl-phenyl	1-pyrrolidinocarbonyl
	375	NHSO ₂ CH ₃	2-Cl-phenyl	2-(methylsulfonyl)phenyl
45	376	NHSO ₂ CH ₃	2-Cl-phenyl	4-morpholino
	377	NHSO ₂ CH ₃	2-Cl-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	378	NHSO ₂ CH ₃	2-Cl-phenyl	4-morpholinocarbonyl
	379	NHSO ₂ CH ₃	2-F-phenyl	2-(aminosulfonyl)phenyl
	380	NHSO ₂ CH ₃	2-F-phenyl	2-(methylaminosulfonyl)phenyl
50	381	NHSO ₂ CH ₃	2-F-phenyl	1-pyrrolidinocarbonyl
	382	NHSO ₂ CH ₃	2-F-phenyl	2-(methylsulfonyl)phenyl
	383	NHSO ₂ CH ₃	2-F-phenyl	4-morpholino

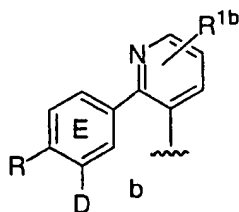
	384	NHSO ₂ CH ₃	2-F-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	385	NHSO ₂ CH ₃	2-F-phenyl	4-morpholinocarbonyl
	386	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(aminosulfonyl)phenyl
	387	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(methylaminosulfonyl)phenyl
5	388	NHSO ₂ CH ₃	2,5-diF-phenyl	1-pyrrolidinocarbonyl
	389	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(methylsulfonyl)phenyl
	390	NHSO ₂ CH ₃	2,5-diF-phenyl	4-morpholino
	391	NHSO ₂ CH ₃	2,5-diF-phenyl	2-(1'-CF ₃ -tetrazol-2-yl)phenyl
	392	NHSO ₂ CH ₃	2,5-diF-phenyl	4-morpholinocarbonyl

10

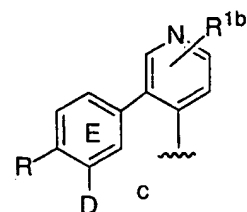
Table 5



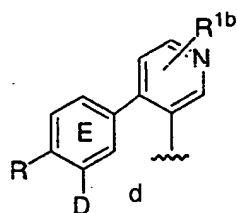
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a₃ R=F, D=CH₂NH₂
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a₅ R=F, D=C(=NH)NH₂
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a₇ R=F, D=C(O)NH₂
a₈ R=H, D=C(O)NH₂



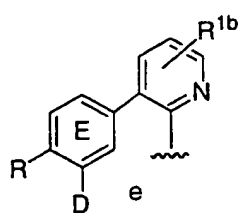
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b₄ R=H, D=CH₂NH₂
b₅ R=F, D=C(=NH)NH₂
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b₇ R=F, D=C(O)NH₂
b₈ R=H, D=C(O)NH₂



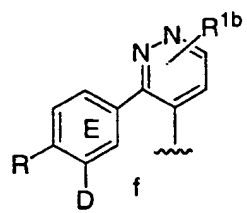
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c₄ R=H, D=CH₂NH₂
c₅ R=F, D=C(=NH)NH₂
c₆ R=H, D=C(=NH)NH₂
c₇ R=F, D=C(O)NH₂
c₈ R=H, D=C(O)NH₂



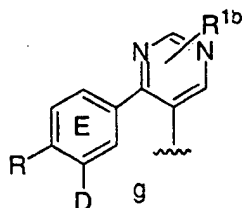
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d₄ R=H, D=CH₂NH₂
d₅ R=F, D=C(=NH)NH₂
d₆ R=H, D=C(=NH)NH₂
d₇ R=F, D=C(O)NH₂
d₈ R=H, D=C(O)NH₂



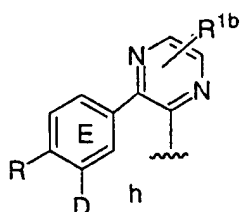
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e₃ R=F, D=CH₂NH₂
e₄ R=H, D=CH₂NH₂
e₅ R=F, D=C(=NH)NH₂
e₆ R=H, D=C(=NH)NH₂
e₇ R=F, D=C(O)NH₂
e₈ R=H, D=C(O)NH₂



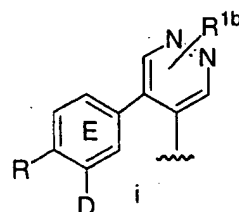
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f₄ R=H, D=CH₂NH₂
f₅ R=F, D=C(=NH)NH₂
f₆ R=H, D=C(=NH)NH₂
f₇ R=F, D=C(O)NH₂
f₈ R=H, D=C(O)NH₂



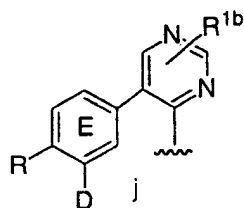
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 g₄ R=H, D=CH₂NH₂
 g₅ R=F, D=C(=NH)NH₂
 g₆ R=H, D=C(=NH)NH₂
 g₇ R=F, D=C(O)NH₂
 g₈ R=H, D=C(O)NH₂



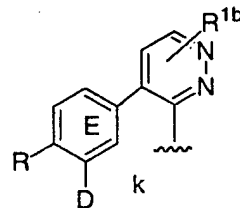
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 h₃ R=F, D=CH₂NH₂
 h₄ R=H, D=CH₂NH₂
 h₅ R=F, D=C(=NH)NH₂
 h₆ R=H, D=C(=NH)NH₂
 h₇ R=F, D=C(O)NH₂
 h₈ R=H, D=C(O)NH₂



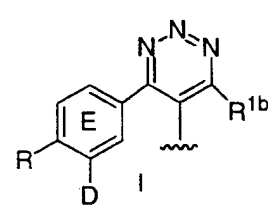
- i₁ R=F, D=NH₂
 i₂ R=H, D=NH₂
 i₃ R=F, D=CH₂NH₂
 i₄ R=H, D=CH₂NH₂
 i₅ R=F, D=C(=NH)NH₂
 i₆ R=H, D=C(=NH)NH₂
 i₇ R=F, D=C(O)NH₂
 i₈ R=H, D=C(O)NH₂



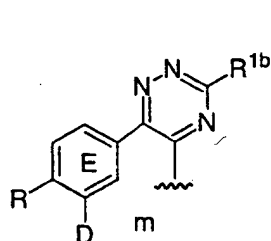
- j₁ R=F, D=NH₂
 j₂ R=H, D=NH₂
 j₃ R=F, D=CH₂NH₂
 j₄ R=H, D=CH₂NH₂
 j₅ R=F, D=C(=NH)NH₂
 j₆ R=H, D=C(=NH)NH₂
 j₇ R=F, D=C(O)NH₂
 j₈ R=H, D=C(O)NH₂



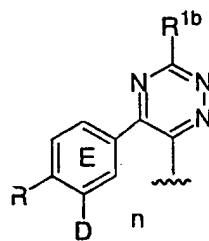
- k₁ R=F, D=NH₂
 k₂ R=H, D=NH₂
 k₃ R=F, D=CH₂NH₂
 k₄ R=H, D=CH₂NH₂
 k₅ R=F, D=C(=NH)NH₂
 k₆ R=H, D=C(=NH)NH₂
 k₇ R=F, D=C(O)NH₂
 k₈ R=H, D=C(O)NH₂



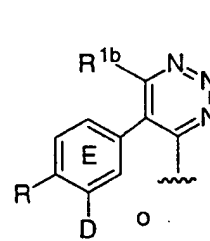
- l₁ R=F, D=NH₂
 l₂ R=H, D=NH₂
 l₃ R=F, D=CH₂NH₂
 l₄ R=H, D=CH₂NH₂
 l₅ R=F, D=C(=NH)NH₂
 l₆ R=H, D=C(=NH)NH₂
 l₇ R=F, D=C(O)NH₂
 l₈ R=H, D=C(O)NH₂



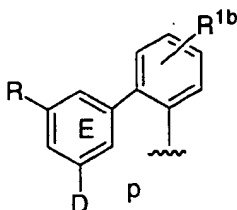
- m₁ R=F, D=NH₂
 m₂ R=H, D=NH₂
 m₃ R=F, D=CH₂NH₂
 m₄ R=H, D=CH₂NH₂
 m₅ R=F, D=C(=NH)NH₂
 m₆ R=H, D=C(=NH)NH₂
 m₇ R=F, D=C(O)NH₂
 m₈ R=H, D=C(O)NH₂



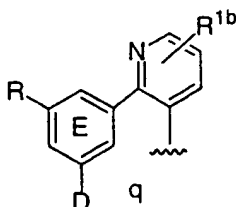
- n₁ R=F, D=NH₂
 n₂ R=H, D=NH₂
 n₃ R=F, D=CH₂NH₂
 n₄ R=H, D=CH₂NH₂
 n₅ R=F, D=C(=NH)NH₂
 n₆ R=H, D=C(=NH)NH₂
 n₇ R=F, D=C(O)NH₂
 n₈ R=H, D=C(O)NH₂



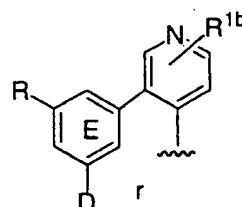
- o₁ R=F, D=NH₂
 o₂ R=H, D=NH₂
 o₃ R=F, D=CH₂NH₂
 o₄ R=H, D=CH₂NH₂
 o₅ R=F, D=C(=NH)NH₂
 o₆ R=H, D=C(=NH)NH₂
 o₇ R=F, D=C(O)NH₂
 o₈ R=H, D=C(O)NH₂



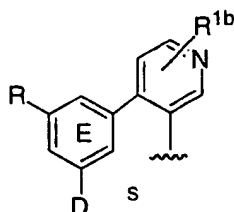
- p₁ R=F, D=NH₂
 p₂ R=Cl, D=NH₂
 p₃ R=OMe, D=NH₂
 p₄ R=F, D=CH₂NH₂
 p₅ R=Cl, D=CH₂NH₂
 p₆ R=OMe, D=CH₂NH₂
 p₇ R=F, D=C(=NH)NH₂
 p₈ R=Cl, D=C(=NH)NH₂
 p₉ R=OMe, D=C(=NH)NH₂
 p₁₀ R=F, D=C(O)NH₂
 p₁₁ R=Cl, D=C(O)NH₂
 p₁₂ R=OMe, D=C(O)NH₂



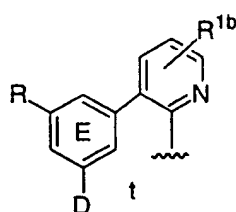
- q₁ R=F, D=NH₂
 q₂ R=Cl, D=NH₂
 q₃ R=OMe, D=NH₂
 q₄ R=F, D=CH₂NH₂
 q₅ R=Cl, D=CH₂NH₂
 q₆ R=OMe, D=CH₂NH₂
 q₇ R=F, D=C(=NH)NH₂
 q₈ R=Cl, D=C(=NH)NH₂
 q₉ R=OMe, D=C(=NH)NH₂
 q₁₀ R=F, D=C(O)NH₂
 q₁₁ R=Cl, D=C(O)NH₂
 q₁₂ R=OMe, D=C(O)NH₂



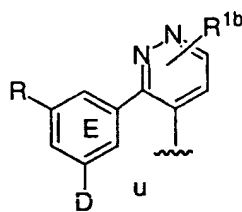
- r₁ R=F, D=NH₂
 r₂ R=Cl, D=NH₂
 r₃ R=OMe, D=NH₂
 r₄ R=F, D=CH₂NH₂
 r₅ R=Cl, D=CH₂NH₂
 r₆ R=OMe, D=CH₂NH₂
 r₇ R=F, D=C(=NH)NH₂
 r₈ R=Cl, D=C(=NH)NH₂
 r₉ R=OMe, D=C(=NH)NH₂
 r₁₀ R=F, D=C(O)NH₂
 r₁₁ R=Cl, D=C(O)NH₂
 r₁₂ R=OMe, D=C(O)NH₂



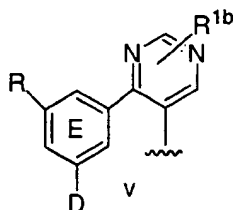
- s₁ R=F, D=NH₂
 s₂ R=Cl, D=NH₂
 s₃ R=OMe, D=NH₂
 s₄ R=F, D=CH₂NH₂
 s₅ R=Cl, D=CH₂NH₂
 s₆ R=OMe, D=CH₂NH₂
 s₇ R=F, D=C(=NH)NH₂
 s₈ R=Cl, D=C(=NH)NH₂
 s₉ R=OMe, D=C(=NH)NH₂
 s₁₀ R=F, D=C(O)NH₂
 s₁₁ R=Cl, D=C(O)NH₂
 s₁₂ R=OMe, D=C(O)NH₂



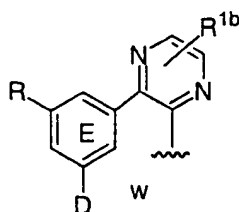
- t₁ R=F, D=NH₂
 t₂ R=Cl, D=NH₂
 t₃ R=OMe, D=NH₂
 t₄ R=F, D=CH₂NH₂
 t₅ R=Cl, D=CH₂NH₂
 t₆ R=OMe, D=CH₂NH₂
 t₇ R=F, D=C(=NH)NH₂
 t₈ R=Cl, D=C(=NH)NH₂
 t₉ R=OMe, D=C(=NH)NH₂
 t₁₀ R=F, D=C(O)NH₂
 t₁₁ R=Cl, D=C(O)NH₂
 t₁₂ R=OMe, D=C(O)NH₂



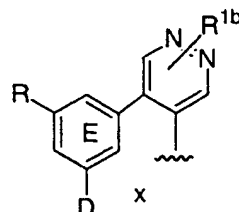
- u₁ R=F, D=NH₂
 u₂ R=Cl, D=NH₂
 u₃ R=OMe, D=NH₂
 u₄ R=F, D=CH₂NH₂
 u₅ R=Cl, D=CH₂NH₂
 u₆ R=OMe, D=CH₂NH₂
 u₇ R=F, D=C(=NH)NH₂
 u₈ R=Cl, D=C(=NH)NH₂
 u₉ R=OMe, D=C(=NH)NH₂
 u₁₀ R=F, D=C(O)NH₂
 u₁₁ R=Cl, D=C(O)NH₂
 u₁₂ R=OMe, D=C(O)NH₂



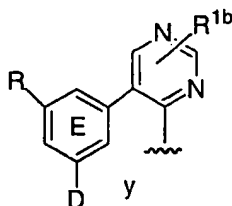
- v₁ R=F, D=NH₂
 v₂ R=Cl, D=NH₂
 v₃ R=OMe, D=NH₂
 v₄ R=F, D=CH₂NH₂
 v₅ R=Cl, D=CH₂NH₂
 v₆ R=OMe, D=CH₂NH₂
 v₇ R=F, D=C(=NH)NH₂
 v₈ R=Cl, D=C(=NH)NH₂
 v₉ R=OMe, D=C(=NH)NH₂
 v₁₀ R=F, D=C(O)NH₂
 v₁₁ R=Cl, D=C(O)NH₂
 v₁₂ R=OMe, D=C(O)NH₂



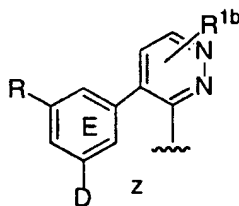
- w₁ R=F, D=NH₂
 w₂ R=Cl, D=NH₂
 w₃ R=OMe, D=NH₂
 w₄ R=F, D=CH₂NH₂
 w₅ R=Cl, D=CH₂NH₂
 w₆ R=OMe, D=CH₂NH₂
 w₇ R=F, D=C(=NH)NH₂
 w₈ R=Cl, D=C(=NH)NH₂
 w₉ R=OMe, D=C(=NH)NH₂
 w₁₀ R=F, D=C(O)NH₂
 w₁₁ R=Cl, D=C(O)NH₂
 w₁₂ R=OMe, D=C(O)NH₂



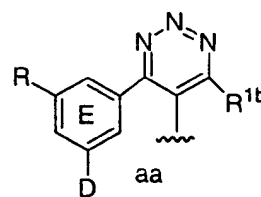
- x₁ R=F, D=NH₂
 x₂ R=Cl, D=NH₂
 x₃ R=OMe, D=NH₂
 x₄ R=F, D=CH₂NH₂
 x₅ R=Cl, D=CH₂NH₂
 x₆ R=OMe, D=CH₂NH₂
 x₇ R=F, D=C(=NH)NH₂
 x₈ R=Cl, D=C(=NH)NH₂
 x₉ R=OMe, D=C(=NH)NH₂
 x₁₀ R=F, D=C(O)NH₂
 x₁₁ R=Cl, D=C(O)NH₂
 x₁₂ R=OMe, D=C(O)NH₂



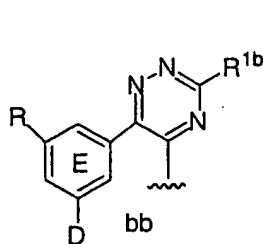
- y₁ R=F, D=NH₂
 y₂ R=Cl, D=NH₂
 y₃ R=OMe, D=NH₂
 y₄ R=F, D=CH₂NH₂
 y₅ R=Cl, D=CH₂NH₂
 y₆ R=OMe, D=CH₂NH₂
 y₇ R=F, D=C(=NH)NH₂
 y₈ R=Cl, D=C(=NH)NH₂
 y₉ R=OMe, D=C(=NH)NH₂
 y₁₀ R=F, D=C(O)NH₂
 y₁₁ R=Cl, D=C(O)NH₂
 y₁₂ R=OMe, D=C(O)NH₂



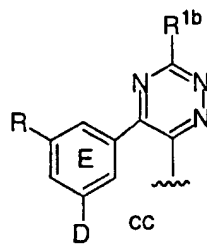
- z₁ R=F, D=NH₂
 z₂ R=Cl, D=NH₂
 z₃ R=OMe, D=NH₂
 z₄ R=F, D=CH₂NH₂
 z₅ R=Cl, D=CH₂NH₂
 z₆ R=OMe, D=CH₂NH₂
 z₇ R=F, D=C(=NH)NH₂
 z₈ R=Cl, D=C(=NH)NH₂
 z₉ R=OMe, D=C(=NH)NH₂
 z₁₀ R=F, D=C(O)NH₂
 z₁₁ R=Cl, D=C(O)NH₂
 z₁₂ R=OMe, D=C(O)NH₂



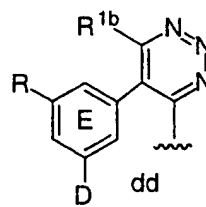
- aa₁ R=F, D=NH₂
 aa₂ R=Cl, D=NH₂
 aa₃ R=OMe, D=NH₂
 aa₄ R=F, D=CH₂NH₂
 aa₅ R=Cl, D=CH₂NH₂
 aa₆ R=OMe, D=CH₂NH₂
 aa₇ R=F, D=C(=NH)NH₂
 aa₈ R=Cl, D=C(=NH)NH₂
 aa₉ R=OMe, D=C(=NH)NH₂
 aa₁₀ R=F, D=C(O)NH₂
 aa₁₁ R=Cl, D=C(O)NH₂
 aa₁₂ R=OMe, D=C(O)NH₂



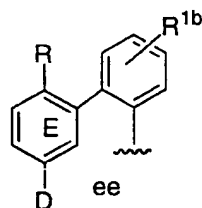
- bb₁ R=F, D=NH₂
 bb₂ R=Cl, D=NH₂
 bb₃ R=OMe, D=NH₂
 bb₄ R=F, D=CH₂NH₂
 bb₅ R=Cl, D=CH₂NH₂
 bb₆ R=OMe, D=CH₂NH₂
 bb₇ R=F, D=C(=NH)NH₂
 bb₈ R=Cl, D=C(=NH)NH₂
 bb₉ R=OMe, D=C(=NH)NH₂
 bb₁₀ R=F, D=C(O)NH₂
 bb₁₁ R=Cl, D=C(O)NH₂
 bb₁₂ R=OMe, D=C(O)NH₂



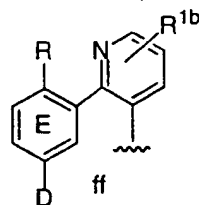
- cc₁ R=F, D=NH₂
 cc₂ R=Cl, D=NH₂
 cc₃ R=OMe, D=NH₂
 cc₄ R=F, D=CH₂NH₂
 cc₅ R=Cl, D=CH₂NH₂
 cc₆ R=OMe, D=CH₂NH₂
 cc₇ R=F, D=C(=NH)NH₂
 cc₈ R=Cl, D=C(=NH)NH₂
 cc₉ R=OMe, D=C(=NH)NH₂
 cc₁₀ R=F, D=C(O)NH₂
 cc₁₁ R=Cl, D=C(O)NH₂
 cc₁₂ R=OMe, D=C(O)NH₂



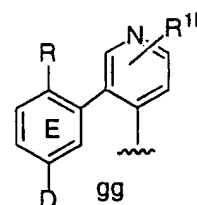
- dd₁ R=F, D=NH₂
 dd₂ R=Cl, D=NH₂
 dd₃ R=OMe, D=NH₂
 dd₄ R=F, D=CH₂NH₂
 dd₅ R=Cl, D=CH₂NH₂
 dd₆ R=OMe, D=CH₂NH₂
 dd₇ R=F, D=C(=NH)NH₂
 dd₈ R=Cl, D=C(=NH)NH₂
 dd₉ R=OMe, D=C(=NH)NH₂
 dd₁₀ R=F, D=C(O)NH₂
 dd₁₁ R=Cl, D=C(O)NH₂
 dd₁₂ R=OMe, D=C(O)NH₂



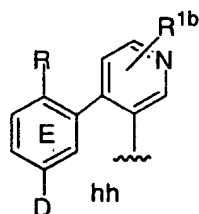
- ee₁ R=F, D=CH₂NH₂
 ee₂ R=Cl, D=CH₂NH₂
 ee₃ R=OMe, D=CH₂NH₂
 ee₄ R=CH₂NH₂,
 D=CH₂NH₂



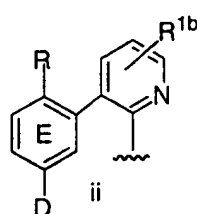
- ff₁ R=F, D=CH₂NH₂
 ff₂ R=Cl, D=CH₂NH₂
 ff₃ R=OMe, D=CH₂NH₂
 ff₄ R=CH₂NH₂,
 D=CH₂NH₂



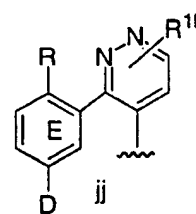
- gg₁ R=F, D=CH₂NH₂
 gg₂ R=Cl, D=CH₂NH₂
 gg₃ R=OMe, D=CH₂NH₂
 gg₄ R=CH₂NH₂,
 D=CH₂NH₂



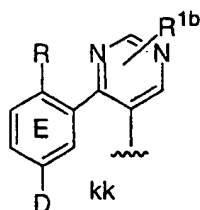
- hh₁ R=F, D=CH₂NH₂
 hh₂ R=Cl, D=CH₂NH₂
 hh₃ R=OMe, D=CH₂NH₂
 hh₄ R=CH₂NH₂,
 D=CH₂NH₂



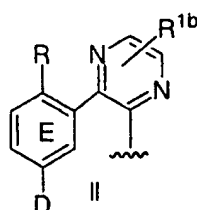
- ii₁ R=F, D=CH₂NH₂
 ii₂ R=Cl, D=CH₂NH₂
 ii₃ R=OMe, D=CH₂NH₂
 ii₄ R=CH₂NH₂,
 D=CH₂NH₂



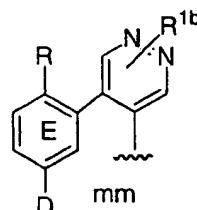
- jj₁ R=F, D=CH₂NH₂
 jj₂ R=Cl, D=CH₂NH₂
 jj₃ R=OMe, D=CH₂NH₂
 jj₄ R=CH₂NH₂,
 D=CH₂NH₂



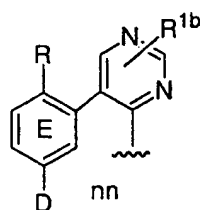
kk₁ R=F, D=CH₂NH₂
 kk₂ R=Cl, D=CH₂NH₂
 kk₃ R=OMe, D=CH₂NH₂
 kk₄ R=CH₂NH₂,
 D=CH₂NH₂



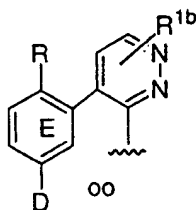
ll₁ R=F, D=CH₂NH₂
 ll₂ R=Cl, D=CH₂NH₂
 ll₃ R=OMe, D=CH₂NH₂
 ll₄ R=CH₂NH₂,
 D=CH₂NH₂



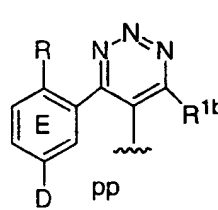
mm₁ R=F, D=CH₂NH₂
 mm₂ R=Cl, D=CH₂NH₂
 mm₃ R=OMe, D=CH₂NH₂
 mm₄ R=CH₂NH₂,
 D=CH₂NH₂



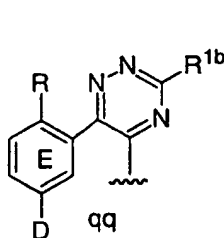
nn₁ R=F, D=CH₂NH₂
 nn₂ R=Cl, D=CH₂NH₂
 nn₃ R=OMe, D=CH₂NH₂
 nn₄ R=CH₂NH₂,
 D=CH₂NH₂



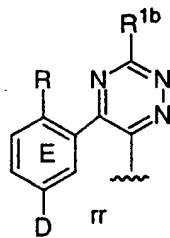
oo₁ R=F, D=CH₂NH₂
 oo₂ R=Cl, D=CH₂NH₂
 oo₃ R=OMe, D=CH₂NH₂
 oo₄ R=CH₂NH₂,
 D=CH₂NH₂



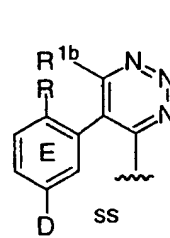
pp₁ R=F, D=CH₂NH₂
 pp₂ R=Cl, D=CH₂NH₂
 pp₃ R=OMe, D=CH₂NH₂
 pp₄ R=CH₂NH₂,
 D=CH₂NH₂



qq₁ R=F, D=CH₂NH₂
 qq₂ R=Cl, D=CH₂NH₂
 qq₃ R=OMe, D=CH₂NH₂
 qq₄ R=CH₂NH₂,
 D=CH₂NH₂



rr₁ R=F, D=CH₂NH₂
 rr₂ R=Cl, D=CH₂NH₂
 rr₃ R=OMe, D=CH₂NH₂
 rr₄ R=CH₂NH₂,
 D=CH₂NH₂



ss₁ R=F, D=CH₂NH₂
 ss₂ R=Cl, D=CH₂NH₂
 ss₃ R=OMe, D=CH₂NH₂
 ss₄ R=CH₂NH₂,
 D=CH₂NH₂

	Ex#	R ^{1b}	A	B
5	1	H	phenyl	2-((Me) ₂ N-methyl)phenyl
	2	H	phenyl	2-((Me)NH-methyl)phenyl
	3	H	phenyl	2-(H ₂ N-methyl)phenyl
	4	H	phenyl	2-HOCH ₂ -phenyl
10	5	H	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	6	H	2-F-phenyl	2-((Me)NH-methyl)phenyl
	7	H	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	8	H	2-F-phenyl	2-HOCH ₂ -phenyl
15	9	H	phenyl	2-methylimidazol-1-yl
	10	H	phenyl	2-ethylimidazol-1-yl
	11	H	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	12	H	phenyl	2-CH ₃ NHSO ₂ -imidazol-1-yl

	13	H	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	14	H	2-F-phenyl	2-methylimidazol-1-yl
	15	H	2-F-phenyl	2-ethylimidazol-1-yl
	16	H	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
5	17	H	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	18	H	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	19	H	2-Cl-phenyl	2-methylimidazol-1-yl
	20	H	2-Cl-phenyl	2-ethylimidazol-1-yl
	21	H	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
10	22	H	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	23	H	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	24	H	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	25	H	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	26	H	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
15	27	H	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	28	H	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	29	H	phenyl	N-methylimidazol-2-yl
	30	H	phenyl	4-methylimidazol-5-yl
	31	H	phenyl	5-CF ₃ -pyrazol-1-yl
20	32	H	2-F-phenyl	N-methylimidazol-2-yl
	33	H	2-F-phenyl	4-methylimidazol-5-yl
	34	H	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	35	H	phenyl	guanidino
	36	H	phenyl	2-thiazolin-2-ylamine
25	37	H	phenyl	N-methyl-2-imidazolin-2-yl
	38	H	phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	39	H	phenyl	N-methylimidazol-2-ylthiol
	40	H	phenyl	t-butoxycarbonylamine
30	41	H	phenyl	(N-pyrrolidino)formylimino
	42	H	phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	43	H	2-F-phenyl	guanidino
	44	H	2-F-phenyl	2-thiazolin-2-ylamine
35	45	H	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	46	H	2-F-phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	47	H	2-F-phenyl	N-methylimidazol-2-ylthio
	48	H	2-F-phenyl	t-butoxycarbonylamine
40	49	H	2-F-phenyl	(N-pyrrolidino)formylimino
	50	H	2-F-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	51	H	2-CH ₃ O-phenyl	(N-pyrrolidino)formylimino
	52	H	2-CH ₃ O-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
45	53	-CN	phenyl	2-((Me) ₂ N-methyl)phenyl
	54	-CN	phenyl	2-((Me)NH-methyl)phenyl
	55	-CN	phenyl	2-(H ₂ N-methyl)phenyl
	56	-CN	phenyl	2-HOCH ₂ -phenyl
50	57	-CN	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	58	-CN	2-F-phenyl	2-((Me)NH-methyl)phenyl
	59	-CN	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	60	-CN	2-F-phenyl	2-HOCH ₂ -phenyl
	61	-CN	phenyl	2-methylimidazol-1-yl
55	62	-CN	phenyl	2-ethylimidazol-1-yl

	63	-CN	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	64	-CN	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	65	-CN	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	66	-CN	2-F-phenyl	2-methylimidazol-1-yl
5	67	-CN	2-F-phenyl	2-ethylimidazol-1-yl
	68	-CN	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	69	-CN	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	70	-CN	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	71	-CN	2-Cl-phenyl	2-methylimidazol-1-yl
10	72	-CN	2-Cl-phenyl	2-ethylimidazol-1-yl
	73	-CN	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	74	-CN	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	75	-CN	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	76	-CN	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
15	77	-CN	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	78	-CN	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	79	-CN	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	80	-CN	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	81	-CN	phenyl	N-methylimidazol-2-yl
20	82	-CN	phenyl	4-methylimidazol-5-yl
	83	-CN	phenyl	5-CF ₃ -pyrazol-1-yl
	84	-CN	2-F-phenyl	N-methylimidazol-2-yl
	85	-CN	2-F-phenyl	4-methylimidazol-5-yl
	86	-CN	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
25	87	-CN	phenyl	guanidino
	88	-CN	phenyl	2-thiazolin-2-ylamine
	89	-CN	phenyl	N-methyl-2-imidazolin-2-yl
	90	-CN	phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
30	91	-CN	phenyl	N-methylimidazol-2-ylthiol
	92	-CN	phenyl	t-butoxycarbonylamine
	93	-CN	phenyl	(N-pyrrolidino)formylimino
	94	-CN	phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
35	95	-CN	2-F-phenyl	guanidino
	96	-CN	2-F-phenyl	2-thiazolin-2-ylamine
	97	-CN	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	98	-CN	2-F-phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
40	99	-CN	2-F-phenyl	N-methylimidazol-2-ylthio
	100	-CN	2-F-phenyl	t-butoxycarbonylamine
	101	-CN	2-F-phenyl	(N-pyrrolidino)formylimino
	102	-CN	2-F-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
45	103	-CN	2-CH ₃ O-phenyl	(N-pyrrolidino)formylimino
	104	-CN	2-CH ₃ O-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	105	CF ₃	phenyl	2-((Me) ₂ N-methyl)phenyl
	106	CF ₃	phenyl	2-((Me)NH-methyl)phenyl
50	107	CF ₃	phenyl	2-(H ₂ N-methyl)phenyl
	108	CF ₃	phenyl	2-HOCH ₂ -phenyl
	109	CF ₃	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	110	CF ₃	2-F-phenyl	2-((Me)NH-methyl)phenyl
	111	CF ₃	2-F-phenyl	2-(H ₂ N-methyl)phenyl

	112	CF ₃	2-F-phenyl	2-HOCH ₂ -phenyl
	113	CF ₃	phenyl	2-methylimidazol-1-yl
	114	CF ₃	phenyl	2-ethylimidazol-1-yl
	115	CF ₃	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
5	116	CF ₃	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	117	CF ₃	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	118	CF ₃	2-F-phenyl	2-methylimidazol-1-yl
	119	CF ₃	2-F-phenyl	2-ethylimidazol-1-yl
	120	CF ₃	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
10	121	CF ₃	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	122	CF ₃	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	123	CF ₃	2-Cl-phenyl	2-methylimidazol-1-yl
	124	CF ₃	2-Cl-phenyl	2-ethylimidazol-1-yl
	125	CF ₃	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
15	126	CF ₃	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	127	CF ₃	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	128	CF ₃	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	129	CF ₃	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	130	CF ₃	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
20	131	CF ₃	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	132	CF ₃	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	133	CF ₃	phenyl	N-methylimidazol-2-yl
	134	CF ₃	phenyl	4-methylimidazol-5-yl
	135	CF ₃	phenyl	5-CF ₃ -pyrazol-1-yl
25	136	CF ₃	2-F-phenyl	N-methylimidazol-2-yl
	137	CF ₃	2-F-phenyl	4-methylimidazol-5-yl
	138	CF ₃	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	139	CF ₃	phenyl	guanidino
	140	CF ₃	phenyl	2-thiazolin-2-ylamine
30	141	CF ₃	phenyl	N-methyl-2-imidazolin-2-yl
	142	CF ₃	phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	143	CF ₃	phenyl	N-methylimidazol-2-ylthio
	144	CF ₃	phenyl	t-butoxycarbonylamine
35	145	CF ₃	phenyl	(N-pyrrolidino)formylimino
	146	CF ₃	phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	147	CF ₃	2-F-phenyl	guanidino
	148	CF ₃	2-F-phenyl	2-thiazolin-2-ylamine
40	149	CF ₃	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	150	CF ₃	2-F-phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	151	CF ₃	2-F-phenyl	N-methylimidazol-2-ylthio
	152	CF ₃	2-F-phenyl	t-butoxycarbonylamine
45	153	CF ₃	2-F-phenyl	(N-pyrrolidino)formylimino
	154	CF ₃	2-F-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	155	CF ₃	2-CH ₃ O-phenyl	(N-pyrrolidino)formylimino
	156	CF ₃	2-CH ₃ O-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
50	157	CONH ₂	phenyl	2-((Me) ₂ N-methyl)phenyl
	158	CONH ₂	phenyl	2-((Me)NH-methyl)phenyl

	159	CONH ₂	phenyl	2-(H ₂ N-methyl)phenyl
	160	CONH ₂	phenyl	2-HOCH ₂ -phenyl
	161	CONH ₂	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	162	CONH ₂	2-F-phenyl	2-((Me)NH-methyl)phenyl
5	163	CONH ₂	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	164	CONH ₂	2-F-phenyl	2-HOCH ₂ -phenyl
	165	CONH ₂	phenyl	2-methylimidazol-1-yl
	166	CONH ₂	phenyl	2-ethylimidazol-1-yl
	167	CONH ₂	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
10	168	CONH ₂	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	169	CONH ₂	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	170	CONH ₂	2-F-phenyl	2-methylimidazol-1-yl
	171	CONH ₂	2-F-phenyl	2-ethylimidazol-1-yl
	172	CONH ₂	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
15	173	CONH ₂	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	174	CONH ₂	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	175	CONH ₂	2-Cl-phenyl	2-methylimidazol-1-yl
	176	CONH ₂	2-Cl-phenyl	2-ethylimidazol-1-yl
	177	CONH ₂	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
20	178	CONH ₂	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	179	CONH ₂	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	180	CONH ₂	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	181	CONH ₂	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	182	CONH ₂	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
25	183	CONH ₂	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	184	CONH ₂	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	185	CONH ₂	phenyl	N-methylimidazol-2-yl
	186	CONH ₂	phenyl	4-methylimidazol-5-yl
	187	CONH ₂	phenyl	5-CF ₃ -pyrazol-1-yl
30	188	CONH ₂	2-F-phenyl	N-methylimidazol-2-yl
	189	CONH ₂	2-F-phenyl	4-methylimidazol-5-yl
	190	CONH ₂	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	191	CONH ₂	phenyl	guanidino
	192	CONH ₂	phenyl	2-thiazolin-2-ylamine
35	193	CONH ₂	phenyl	N-methyl-2-imidazolin-2-yl
	194	CONH ₂	phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	195	CONH ₂	phenyl	N-methylimidazol-2-ylthiol
	196	CONH ₂	phenyl	t-butoxycarbonylamine
40	197	CONH ₂	phenyl	(N-pyrrolidino)formylimino
	198	CONH ₂	phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino
	199	CONH ₂	2-F-phenyl	guanidino
	200	CONH ₂	2-F-phenyl	2-thiazolin-2-ylamine
45	201	CONH ₂	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	202	CONH ₂	2-F-phenyl	N-methyl-1,4,5,6-tetrahydropyrimid-2-yl
	203	CONH ₂	2-F-phenyl	N-methylimidazol-2-ylthio
	204	CONH ₂	2-F-phenyl	t-butoxycarbonylamine
50	205	CONH ₂	2-F-phenyl	(N-pyrrolidino)formylimino
	206	CONH ₂	2-F-phenyl	(N-pyrrolidino)formyl-N-(methanesulfamoyl)imino

	207	CONH ₂	2-CH ₃ O-phenyl	(N-pyrrolidino) formylimino
	208	CONH ₂	2-CH ₃ O-phenyl	(N-pyrrolidino) formyl-N-
				(methanesulfamoyl) imino
	209	SCH ₃	phenyl	2-((Me) ₂ N-methyl)phenyl
5	210	SCH ₃	phenyl	2-((Me)NH-methyl)phenyl
	211	SCH ₃	phenyl	2-(H ₂ N-methyl)phenyl
	212	SCH ₃	phenyl	2-HOCH ₂ -phenyl
	213	SCH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	214	SCH ₃	2-F-phenyl	2-((Me)NH-methyl)phenyl
10	215	SCH ₃	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	216	SCH ₃	2-F-phenyl	2-HOCH ₂ -phenyl
	217	SCH ₃	phenyl	2-methylimidazol-1-yl
	218	SCH ₃	phenyl	2-ethylimidazol-1-yl
	219	SCH ₃	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
15	220	SCH ₃	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	221	SCH ₃	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	222	SCH ₃	2-F-phenyl	2-methylimidazol-1-yl
	223	SCH ₃	2-F-phenyl	2-ethylimidazol-1-yl
	224	SCH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
20	225	SCH ₃	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	226	SCH ₃	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	227	SCH ₃	2-Cl-phenyl	2-methylimidazol-1-yl
	228	SCH ₃	2-Cl-phenyl	2-ethylimidazol-1-yl
	229	SCH ₃	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
25	230	SCH ₃	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	231	SCH ₃	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	232	SCH ₃	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	233	SCH ₃	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	234	SCH ₃	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
30	235	SCH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	236	SCH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	237	SCH ₃	phenyl	N-methylimidazol-2-yl
	238	SCH ₃	phenyl	4-methylimidazol-5-yl
	239	SCH ₃	phenyl	5-CF ₃ -pyrazol-1-yl
35	240	SCH ₃	2-F-phenyl	N-methylimidazol-2-yl
	241	SCH ₃	2-F-phenyl	4-methylimidazol-5-yl
	242	SCH ₃	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	243	SCH ₃	phenyl	guanidino
	244	SCH ₃	phenyl	2-thiazolin-2-ylamine
40	245	SCH ₃	phenyl	N-methyl-2-imidazolin-2-yl
	246	SCH ₃	phenyl	N-methyl-1,4,5,6-
				tetrahydropyrimid-2-yl
	247	SCH ₃	phenyl	N-methylimidazol-2-ylthiol
	248	SCH ₃	phenyl	t-butoxycarbonylamine
45	249	SCH ₃	phenyl	(N-pyrrolidino) formylimino
	250	SCH ₃	phenyl	(N-pyrrolidino) formyl-N-
				(methanesulfamoyl) imino
	251	SCH ₃	2-F-phenyl	guanidino
	252	SCH ₃	2-F-phenyl	2-thiazolin-2-ylamine
50	253	SCH ₃	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	254	SCH ₃	2-F-phenyl	N-methyl-1,4,5,6-
				tetrahydropyrimid-2-yl

5	255	SCH ₃	2-F-phenyl	N-methylimidazol-2-ylthio
	256	SCH ₃	2-F-phenyl	t-butoxycarbonylamine
	257	SCH ₃	2-F-phenyl	(N-pyrrolidino)formylimino
	258	SCH ₃	2-F-phenyl	(N-pyrrolidino)formyl-N-
				(methanesulfamoyl)imino
10	259	SCH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino)formylimino
	260	SCH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino)formyl-N-
				(methanesulfamoyl)imino
	261	SO ₂ CH ₃	phenyl	2-((Me) ₂ N-methyl)phenyl
	262	SO ₂ CH ₃	phenyl	2-((Me)NH-methyl)phenyl
15	263	SO ₂ CH ₃	phenyl	2-(H ₂ N-methyl)phenyl
	264	SO ₂ CH ₃	phenyl	2-HOCH ₂ -phenyl
	265	SO ₂ CH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	266	SO ₂ CH ₃	2-F-phenyl	2-((Me)NH-methyl)phenyl
	267	SO ₂ CH ₃	2-F-phenyl	2-(H ₂ N-methyl)phenyl
20	268	SO ₂ CH ₃	2-F-phenyl	2-HOCH ₂ -phenyl
	269	SO ₂ CH ₃	phenyl	2-methylimidazol-1-yl
	270	SO ₂ CH ₃	phenyl	2-ethylimidazol-1-yl
	271	SO ₂ CH ₃	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	272	SO ₂ CH ₃	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
25	273	SO ₂ CH ₃	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	274	SO ₂ CH ₃	2-F-phenyl	2-methylimidazol-1-yl
	275	SO ₂ CH ₃	2-F-phenyl	2-ethylimidazol-1-yl
	276	SO ₂ CH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	277	SO ₂ CH ₃	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
30	278	SO ₂ CH ₃	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	279	SO ₂ CH ₃	2-Cl-phenyl	2-methylimidazol-1-yl
	280	SO ₂ CH ₃	2-Cl-phenyl	2-ethylimidazol-1-yl
	281	SO ₂ CH ₃	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	282	SO ₂ CH ₃	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
35	283	SO ₂ CH ₃	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	284	SO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	285	SO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	286	SO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
	287	SO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
40	288	SO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	289	SO ₂ CH ₃	phenyl	N-methylimidazol-2-yl
	290	SO ₂ CH ₃	phenyl	4-methylimidazol-5-yl
	291	SO ₂ CH ₃	phenyl	5-CF ₃ -pyrazol-1-yl
	292	SO ₂ CH ₃	2-F-phenyl	N-methylimidazol-2-yl
45	293	SO ₂ CH ₃	2-F-phenyl	4-methylimidazol-5-yl
	294	SO ₂ CH ₃	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	295	SO ₂ CH ₃	phenyl	guanidino
	296	SO ₂ CH ₃	phenyl	2-thiazolin-2-ylamine
	297	SO ₂ CH ₃	phenyl	N-methyl-2-imidazolin-2-yl
50	298	SO ₂ CH ₃	phenyl	N-methyl-1,4,5,6-
				tetrahydropyrimid-2-yl
	299	SO ₂ CH ₃	phenyl	N-methylimidazol-2-ylthiol
	300	SO ₂ CH ₃	phenyl	t-butoxycarbonylamine
	301	SO ₂ CH ₃	phenyl	(N-pyrrolidino)formylimino
	302	SO ₂ CH ₃	phenyl	(N-pyrrolidino)formyl-N-
				(methanesulfamoyl)imino

	303	SO ₂ CH ₃	2-F-phenyl	guanidino
	304	SO ₂ CH ₃	2-F-phenyl	2-thiazolin-2-ylamine
	305	SO ₂ CH ₃	2-F-phenyl	N-methyl-2-imidazolin-2-yl
	306	SO ₂ CH ₃	2-F-phenyl	N-methyl-1,4,5,6-
5				tetrahydropyrimid-2-yl
	307	SO ₂ CH ₃	2-F-phenyl	N-methylimidazol-2-ylthio
	308	SO ₂ CH ₃	2-F-phenyl	t-butoxycarbonylamine
	309	SO ₂ CH ₃	2-F-phenyl	(N-pyrrolidino) formylimino
	310	SO ₂ CH ₃	2-F-phenyl	(N-pyrrolidino) formyl-N-
10				(methanesulfamoyl) imino
	311	SO ₂ CH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino) formylimino
	312	SO ₂ CH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino) formyl-N-
				(methanesulfamoyl) imino
	313	NHSO ₂ CH ₃	phenyl	2-((Me) ₂ N-methyl)phenyl
15	314	NHSO ₂ CH ₃	phenyl	2-((Me)NH-methyl)phenyl
	315	NHSO ₂ CH ₃	phenyl	2-(H ₂ N-methyl)phenyl
	316	NHSO ₂ CH ₃	phenyl	2-HOCH ₂ -phenyl
	317	NHSO ₂ CH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)phenyl
	318	NHSO ₂ CH ₃	2-F-phenyl	2-((Me)NH-methyl)phenyl
20	319	NHSO ₂ CH ₃	2-F-phenyl	2-(H ₂ N-methyl)phenyl
	320	NHSO ₂ CH ₃	2-F-phenyl	2-HOCH ₂ -phenyl
	321	NHSO ₂ CH ₃	phenyl	2-methylimidazol-1-yl
	322	NHSO ₂ CH ₃	phenyl	2-ethylimidazol-1-yl
	323	NHSO ₂ CH ₃	phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
25	324	NHSO ₂ CH ₃	phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	325	NHSO ₂ CH ₃	phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	326	NHSO ₂ CH ₃	2-F-phenyl	2-methylimidazol-1-yl
	327	NHSO ₂ CH ₃	2-F-phenyl	2-ethylimidazol-1-yl
	328	NHSO ₂ CH ₃	2-F-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
30	329	NHSO ₂ CH ₃	2-F-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	330	NHSO ₂ CH ₃	2-F-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	331	NHSO ₂ CH ₃	2-Cl-phenyl	2-methylimidazol-1-yl
	332	NHSO ₂ CH ₃	2-Cl-phenyl	2-ethylimidazol-1-yl
	333	NHSO ₂ CH ₃	2-Cl-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
35	334	NHSO ₂ CH ₃	2-Cl-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	335	NHSO ₂ CH ₃	2-Cl-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	336	NHSO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-methylimidazol-1-yl
	337	NHSO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-ethylimidazol-1-yl
	338	NHSO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-((Me) ₂ N-methyl)imidazol-1-yl
40	339	NHSO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ SO ₂ -imidazol-1-yl
	340	NHSO ₂ CH ₃	2-(Me) ₂ N-phenyl	2-CH ₃ OCH ₂ -imidazol-1-yl
	341	NHSO ₂ CH ₃	phenyl	N-methylimidazol-2-yl
	342	NHSO ₂ CH ₃	phenyl	4-methylimidazol-5-yl
	343	NHSO ₂ CH ₃	phenyl	5-CF ₃ -pyrazol-1-yl
45	344	NHSO ₂ CH ₃	2-F-phenyl	N-methylimidazol-2-yl
	345	NHSO ₂ CH ₃	2-F-phenyl	4-methylimidazol-5-yl
	346	NHSO ₂ CH ₃	2-F-phenyl	5-CF ₃ -pyrazol-1-yl
	347	NHSO ₂ CH ₃	phenyl	guanidino
	348	NHSO ₂ CH ₃	phenyl	2-thiazolin-2-ylamine
50	349	NHSO ₂ CH ₃	phenyl	N-methyl-2-imidazolin-2-yl
	350	NHSO ₂ CH ₃	phenyl	N-methyl-1,4,5,6-
				tetrahydropyrimid-2-yl

	351	NHSO ₂ CH ₃	phenyl	N-methylimidazol-2-ylthiol
	352	NHSO ₂ CH ₃	phenyl	t-butoxycarbonylamine
	353	NHSO ₂ CH ₃	phenyl	(N-pyrrolidino) formylimino
5	354	NHSO ₂ CH ₃	phenyl	(N-pyrrolidino) formyl-N- (methanesulfamoyl) imino
	355	NHSO ₂ CH ₃	2-F-phenyl	guanidino
	356	NHSO ₂ CH ₃	2-F-phenyl	2-thiazolin-2-ylamine
	357	NHSO ₂ CH ₃	2-F-phenyl	N-methyl-2-imidazolin-2-yl
10	358	NHSO ₂ CH ₃	2-F-phenyl	N-methyl-1,4,5,6- tetrahydropyrimid-2-yl
	359	NHSO ₂ CH ₃	2-F-phenyl	N-methylimidazol-2-ylthio
	360	NHSO ₂ CH ₃	2-F-phenyl	t-butoxycarbonylamine
	361	NHSO ₂ CH ₃	2-F-phenyl	(N-pyrrolidino) formylimino
15	362	NHSO ₂ CH ₃	2-F-phenyl	(N-pyrrolidino) formyl-N- (methanesulfamoyl) imino
	363	NHSO ₂ CH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino) formylimino
	364	NHSO ₂ CH ₃	2-CH ₃ O-phenyl	(N-pyrrolidino) formyl-N- (methanesulfamoyl) imino

Utility

The compounds of this invention are useful as anticoagulants for the treatment or prevention of thromboembolic disorders in mammals. The term "thromboembolic disorders" as used herein includes arterial or venous cardiovascular or cerebrovascular thromboembolic disorders, including, for example, unstable angina, first or recurrent myocardial infarction, ischemic sudden death, transient ischemic attack, stroke, atherosclerosis, venous thrombosis, deep vein thrombosis, thrombophlebitis, arterial embolism, coronary and cerebral arterial thrombosis, cerebral embolism, kidney embolisms, and pulmonary embolisms. The anticoagulant effect of compounds of the present invention is believed to be due to inhibition of factor Xa or thrombin.

The effectiveness of compounds of the present invention as inhibitors of factor Xa was determined using purified human factor Xa and synthetic substrate. The rate of factor Xa hydrolysis of chromogenic substrate S2222 (Kabi Pharmacia, Franklin, OH) was measured both in the absence and presence of compounds of the present invention. Hydrolysis of the substrate resulted in the release of pNA, which was monitored spectrophotometrically by measuring the increase in absorbance at 405 nm. A decrease in the rate of absorbance change at 405 nm in the presence of inhibitor is indicative of enzyme inhibition. The results of this assay are expressed as inhibitory constant, K_i .

Factor Xa determinations were made in 0.10 M sodium phosphate buffer, pH 7.5, containing 0.20 M NaCl, and 0.5 % PEG 8000. The Michaelis constant, K_m , for substrate hydrolysis was determined at 25°C using the method of Lineweaver and Burk. Values of K_i were determined by allowing 0.2-0.5 nM human factor Xa (Enzyme Research Laboratories, South Bend, IN) to react with the substrate (0.20 mM-1 mM) in the presence of inhibitor. Reactions were allowed to go for 30 minutes and the velocities (rate of absorbance change vs time) were measured in the time frame of 25-30 minutes. The following relationship was used to calculate K_i values:

$$(v_0 - v_s) / v_s = I / (K_i (1 + S / K_m))$$

where:

v_0 is the velocity of the control in the absence of inhibitor;

v_s is the velocity in the presence of inhibitor;

5 I is the concentration of inhibitor;

K_i is the dissociation constant of the enzyme:inhibitor complex;

S is the concentration of substrate;

K_m is the Michaelis constant.

10 Using the methodology described above, a number of compounds of the present invention were found to exhibit a K_i of $\leq 15 \mu M$, thereby confirming the utility of the compounds of the present invention as effective Xa inhibitors.

The antithrombotic effect of compounds of the present invention can be demonstrated in a rabbit arterio-venous (AV) shunt thrombosis model. In this model, rabbits weighing 2-3 kg anesthetized with a mixture of xylazine (10 mg/kg i.m.) and ketamine (50 mg/kg i.m.) are used. A saline-filled AV shunt device is connected between the femoral arterial and the femoral venous cannulae. The AV shunt device consists of a piece of 6-cm tygon tubing which contains a piece of silk thread. Blood will flow from the femoral artery via the AV-shunt into the femoral vein. The exposure of flowing blood to a silk thread will induce the formation of a significant thrombus. After forty minutes, the shunt is disconnected and the silk thread covered with thrombus is weighed. Test agents or vehicle will be given (i.v., i.p., s.c., or orally) prior to the opening of the AV shunt. The percentage inhibition of thrombus formation is determined for each treatment group.

25
30 The ID50 values (dose which produces 50% inhibition of thrombus formation) are estimated by linear regression.

The compounds of formula (I) may also be useful as inhibitors of serine proteases, notably human thrombin, plasma kallikrein and plasmin. Because of their inhibitory action, these compounds are indicated for use in the prevention or treatment of physiological reactions, blood coagulation and inflammation, catalyzed by the aforesaid class of enzymes.

35 Specifically, the compounds have utility as drugs for the

treatment of diseases arising from elevated thrombin activity such as myocardial infarction, and as reagents used as anticoagulants in the processing of blood to plasma for diagnostic and other commercial purposes.

5 Some compounds of the present invention were shown to be direct acting inhibitors of the serine protease thrombin by their ability to inhibit the cleavage of small molecule substrates by thrombin in a purified system. *In vitro* inhibition constants were determined by the method described
10 by Kettner et al. in *J. Biol. Chem.* **265**, 18289-18297 (1990), herein incorporated by reference. In these assays, thrombin-mediated hydrolysis of the chromogenic substrate S2238 (Helena Laboratories, Beaumont, TX) was monitored spectrophotometrically. Addition of an inhibitor to the assay
15 mixture results in decreased absorbance and is indicative of thrombin inhibition. Human thrombin (Enzyme Research Laboratories, Inc., South Bend, IN) at a concentration of 0.2 nM in 0.10 M sodium phosphate buffer, pH 7.5, 0.20 M NaCl, and 0.5% PEG 6000, was incubated with various substrate
20 concentrations ranging from 0.20 to 0.02 mM. After 25 to 30 minutes of incubation, thrombin activity was assayed by monitoring the rate of increase in absorbance at 405 nm which arises owing to substrate hydrolysis. Inhibition constants were derived from reciprocal plots of the reaction velocity as
25 a function of substrate concentration using the standard method of Lineweaver and Burk. Using the methodology described above, some compounds of this invention were evaluated and found to exhibit a K_i of less than 15 μM , thereby confirming the utility of the compounds of the present
30 invention as effective Xa inhibitors.

The compounds of the present invention can be administered alone or in combination with one or more additional therapeutic agents. These include other anti-coagulant or coagulation inhibitory agents, anti-platelet or
35 platelet inhibitory agents, thrombin inhibitors, or thrombolytic or fibrinolytic agents.

The compounds are administered to a mammal in a therapeutically effective amount. By "therapeutically

effective amount" it is meant an amount of a compound of Formula I that, when administered alone or in combination with an additional therapeutic agent to a mammal, is effective to prevent or ameliorate the thromboembolic disease condition or the progression of the disease.

By "administered in combination" or "combination therapy" it is meant that the compound of Formula I and one or more additional therapeutic agents are administered concurrently to the mammal being treated. When administered in combination each component may be administered at the same time or sequentially in any order at different points in time. Thus, each component may be administered separately but sufficiently closely in time so as to provide the desired therapeutic effect. Other anticoagulant agents (or coagulation inhibitory agents) that may be used in combination with the compounds of this invention include warfarin and heparin, as well as other factor Xa inhibitors such as those described in the publications identified above under Background of the Invention.

The term anti-platelet agents (or platelet inhibitory agents), as used herein, denotes agents that inhibit platelet function such as by inhibiting the aggregation, adhesion or granular secretion of platelets. Such agents include, but are not limited to, the various known non-steroidal anti-inflammatory drugs (NSAIDS) such as aspirin, ibuprofen, naproxen, sulindac, indomethacin, mefenamate, droxicam, diclofenac, sulfinpyrazone, and piroxicam, including pharmaceutically acceptable salts or prodrugs thereof. Of the NSAIDS, aspirin (acetylsalicylic acid or ASA), and piroxicam are preferred. Other suitable anti-platelet agents include ticlopidine, including pharmaceutically acceptable salts or prodrugs thereof. Ticlopidine is also a preferred compound since it is known to be gentle on the gastro-intestinal tract in use. Still other suitable platelet inhibitory agents include IIb/IIIa antagonists, thromboxane-A₂-receptor antagonists and thromboxane-A₂-synthetase inhibitors, as well as pharmaceutically acceptable salts or prodrugs thereof.

The term thrombin inhibitors (or anti-thrombin agents), as used herein, denotes inhibitors of the serine protease thrombin. By inhibiting thrombin, various thrombin-mediated processes, such as thrombin-mediated platelet activation (that is, for example, the aggregation of platelets, and/or the granular secretion of plasminogen activator inhibitor-1 and/or serotonin) and/or fibrin formation are disrupted. A number of thrombin inhibitors are known to one of skill in the art and these inhibitors are contemplated to be used in combination with the present compounds. Such inhibitors include, but are not limited to, boroarginine derivatives, boroptides, heparins, hirudin and argatroban, including pharmaceutically acceptable salts and prodrugs thereof. Boroarginine derivatives and boroptides include N-acetyl and peptide derivatives of boronic acid, such as C-terminal α -aminoboronic acid derivatives of lysine, ornithine, arginine, homoarginine and corresponding isothiuronium analogs thereof. The term hirudin, as used herein, includes suitable derivatives or analogs of hirudin, referred to herein as hirulogs, such as disulfatohirudin. Boroptide thrombin inhibitors include compounds described in Kettner et al., U.S. Patent No. 5,187,157 and European Patent Application Publication Number 293 881 A2, the disclosures of which are hereby incorporated herein by reference. Other suitable boroarginine derivatives and boroptide thrombin inhibitors include those disclosed in PCT Application Publication Number 92/07869 and European Patent Application Publication Number 471,651 A2, the disclosures of which are hereby incorporated herein by reference.

The term thrombolytics (or fibrinolytic) agents (or thrombolytics or fibrinolytics), as used herein, denotes agents that lyse blood clots (thrombi). Such agents include tissue plasminogen activator, anistreplase, urokinase or streptokinase, including pharmaceutically acceptable salts or prodrugs thereof. The term anistreplase, as used herein, refers to anisoylated plasminogen streptokinase activator complex, as described, for example, in European Patent Application No. 028,489, the disclosure of which is hereby

incorporated herein by reference herein. The term urokinase, as used herein, is intended to denote both dual and single chain urokinase, the latter also being referred to herein as prourokinase.

5 Administration of the compounds of Formula I of the invention in combination with such additional therapeutic agent, may afford an efficacy advantage over the compounds and agents alone, and may do so while permitting the use of lower doses of each. A lower dosage minimizes the potential of side
10 effects, thereby providing an increased margin of safety.

The compounds of the present invention are also useful as standard or reference compounds, for example as a quality standard or control, in tests or assays involving the inhibition of factor Xa. Such compounds may be provided in a
15 commercial kit, for example, for use in pharmaceutical research involving factor Xa. For example, a compound of the present invention could be used as a reference in an assay to compare its known activity to a compound with an unknown activity. This would ensure the experimenter that the assay
20 was being performed properly and provide a basis for comparison, especially if the test compound was a derivative of the reference compound. When developing new assays or protocols, compounds according to the present invention could be used to test their effectiveness.

25 The compounds of the present invention may also be used in diagnostic assays involving factor Xa. For example, the presence of factor Xa in an unknown sample could be determined by addition of chromogenic substrate S2222 to a series of solutions containing test sample and optionally one of the
30 compounds of the present invention. If production of pNA is observed in the solutions containing test sample, but no compound of the present invention, then one would conclude factor Xa was present.

35 Dosage and Formulation

The compounds of this invention can be administered in such oral dosage forms as tablets, capsules (each of which includes sustained release or timed release formulations),

pills, powders, granules, elixirs, tinctures, suspensions, syrups, and emulsions. They may also be administered in intravenous (bolus or infusion), intraperitoneal, subcutaneous, or intramuscular form, all using dosage forms well known to those of ordinary skill in the pharmaceutical arts. They can be administered alone, but generally will be administered with a pharmaceutical carrier selected on the basis of the chosen route of administration and standard pharmaceutical practice.

The dosage regimen for the compounds of the present invention will, of course, vary depending upon known factors, such as the pharmacodynamic characteristics of the particular agent and its mode and route of administration; the species, age, sex, health, medical condition, and weight of the recipient; the nature and extent of the symptoms; the kind of concurrent treatment; the frequency of treatment; the route of administration, the renal and hepatic function of the patient, and the effect desired. A physician or veterinarian can determine and prescribe the effective amount of the drug required to prevent, counter, or arrest the progress of the thromboembolic disorder.

By way of general guidance, the daily oral dosage of each active ingredient, when used for the indicated effects, will range between about 0.001 to 1000 mg/kg of body weight, preferably between about 0.01 to 100 mg/kg of body weight per day, and most preferably between about 1.0 to 20 mg/kg/day. Intravenously, the most preferred doses will range from about 1 to about 10 mg/kg/minute during a constant rate infusion. Compounds of this invention may be administered in a single daily dose, or the total daily dosage may be administered in divided doses of two, three, or four times daily.

Compounds of this invention can be administered in intranasal form via topical use of suitable intranasal vehicles, or via transdermal routes, using transdermal skin patches. When administered in the form of a transdermal delivery system, the dosage administration will, of course, be continuous rather than intermittent throughout the dosage regimen.

The compounds are typically administered in admixture with suitable pharmaceutical diluents, excipients, or carriers (collectively referred to herein as pharmaceutical carriers) suitably selected with respect to the intended form of administration, that is, oral tablets, capsules, elixirs, syrups and the like, and consistent with conventional pharmaceutical practices.

For instance, for oral administration in the form of a tablet or capsule, the active drug component can be combined with an oral, non-toxic, pharmaceutically acceptable, inert carrier such as lactose, starch, sucrose, glucose, methyl cellulose, magnesium stearate, dicalcium phosphate, calcium sulfate, mannitol, sorbitol and the like; for oral administration in liquid form, the oral drug components can be combined with any oral, non-toxic, pharmaceutically acceptable inert carrier such as ethanol, glycerol, water, and the like. Moreover, when desired or necessary, suitable binders, lubricants, disintegrating agents, and coloring agents can also be incorporated into the mixture. Suitable binders include starch, gelatin, natural sugars such as glucose or beta-lactose, corn sweeteners, natural and synthetic gums such as acacia, tragacanth, or sodium alginate, carboxymethylcellulose, polyethylene glycol, waxes, and the like. Lubricants used in these dosage forms include sodium oleate, sodium stearate, magnesium stearate, sodium benzoate, sodium acetate, sodium chloride, and the like. Disintegrators include, without limitation, starch, methyl cellulose, agar, bentonite, xanthan gum, and the like.

The compounds of the present invention can also be administered in the form of liposome delivery systems, such as small unilamellar vesicles, large unilamellar vesicles, and multilamellar vesicles. Liposomes can be formed from a variety of phospholipids, such as cholesterol, stearylamine, or phosphatidylcholines.

Compounds of the present invention may also be coupled with soluble polymers as targetable drug carriers. Such polymers can include polyvinylpyrrolidone, pyran copolymer, polyhydroxypropylmethacrylamide-phenol,

polyhydroxyethylaspartamidephenol, or polyethyleneoxide-polylysine substituted with palmitoyl residues. Furthermore, the compounds of the present invention may be coupled to a class of biodegradable polymers useful in achieving controlled release of a drug, for example, polylactic acid, polyglycolic acid, copolymers of polylactic and polyglycolic acid, polyepsilon caprolactone, polyhydroxy butyric acid, polyorthoesters, polyacetals, polydihdropyrans, polycyanoacylates, and crosslinked or amphipathic block copolymers of hydrogels.

Dosage forms (pharmaceutical compositions) suitable for administration may contain from about 1 milligram to about 100 milligrams of active ingredient per dosage unit. In these pharmaceutical compositions the active ingredient will ordinarily be present in an amount of about 0.5-95% by weight based on the total weight of the composition.

Gelatin capsules may contain the active ingredient and powdered carriers, such as lactose, starch, cellulose derivatives, magnesium stearate, stearic acid, and the like. Similar diluents can be used to make compressed tablets. Both tablets and capsules can be manufactured as sustained release products to provide for continuous release of medication over a period of hours. Compressed tablets can be sugar coated or film coated to mask any unpleasant taste and protect the tablet from the atmosphere, or enteric coated for selective disintegration in the gastrointestinal tract.

Liquid dosage forms for oral administration can contain coloring and flavoring to increase patient acceptance.

In general, water, a suitable oil, saline, aqueous dextrose (glucose), and related sugar solutions and glycols such as propylene glycol or polyethylene glycols are suitable carriers for parenteral solutions. Solutions for parenteral administration preferably contain a water soluble salt of the active ingredient, suitable stabilizing agents, and if necessary, buffer substances. Antioxidizing agents such as sodium bisulfite, sodium sulfite, or ascorbic acid, either alone or combined, are suitable stabilizing agents. Also used are citric acid and its salts and sodium EDTA. In addition,

parenteral solutions can contain preservatives, such as benzalkonium chloride, methyl- or propyl-paraben, and chlorobutanol.

Suitable pharmaceutical carriers are described in
5 Remington's Pharmaceutical Sciences, Mack Publishing Company, a standard reference text in this field.

Representative useful pharmaceutical dosage-forms for administration of the compounds of this invention can be illustrated as follows:

10 Capsules

A large number of unit capsules can be prepared by filling standard two-piece hard gelatin capsules each with 100 milligrams of powdered active ingredient, 150 milligrams of lactose, 50 milligrams of cellulose, and 6 milligrams
15 magnesium stearate.

Soft Gelatin Capsules

A mixture of active ingredient in a digestable oil such as soybean oil, cottonseed oil or olive oil may be prepared and injected by means of a positive displacement pump
20 into gelatin to form soft gelatin capsules containing 100 milligrams of the active ingredient. The capsules should be washed and dried.

Tablets

Tablets may be prepared by conventional procedures so
25 that the dosage unit is 100 milligrams of active ingredient, 0.2 milligrams of colloidal silicon dioxide, 5 milligrams of magnesium stearate, 275 milligrams of microcrystalline cellulose, 11 milligrams of starch and 98.8 milligrams of lactose. Appropriate coatings may be applied to increase
30 palatability or delay absorption.

Injectable

A parenteral composition suitable for administration by injection may be prepared by stirring 1.5% by weight of active ingredient in 10% by volume propylene glycol and water.
35 The solution should be made isotonic with sodium chloride and sterilized.

Suspension

An aqueous suspension can be prepared for oral administration so that each 5 mL contain 100 mg of finely divided active ingredient, 200 mg of sodium carboxymethyl cellulose, 5 mg of sodium benzoate, 1.0 g of sorbitol solution, U.S.P., and 0.025 mL of vanillin.

Where the compounds of this invention are combined with other anticoagulant agents, for example, a daily dosage may be about 0.1 to 100 milligrams of the compound of Formula I and about 1 to 7.5 milligrams of the second anticoagulant, per kilogram of patient body weight. For a tablet dosage form, the compounds of this invention generally may be present in an amount of about 5 to 10 milligrams per dosage unit, and the second anti-coagulant in an amount of about 1 to 5 milligrams per dosage unit.

Where the compounds of Formula I are administered in combination with an anti-platelet agent, by way of general guidance, typically a daily dosage may be about 0.01 to 25 milligrams of the compound of Formula I and about 50 to 150 milligrams of the anti-platelet agent, preferably about 0.1 to 1 milligrams of the compound of Formula I and about 1 to 3 milligrams of antiplatelet agents, per kilogram of patient body weight.

Where the compounds of Formula I are administered in combination with thrombolytic agent, typically a daily dosage may be about 0.1 to 1 milligrams of the compound of Formula I, per kilogram of patient body weight and, in the case of the thrombolytic agents, the usual dosage of the thrombolytic agent when administered alone may be reduced by about 70-80% when administered with a compound of Formula I.

Where two or more of the foregoing second therapeutic agents are administered with the compound of Formula I, generally the amount of each component in a typical daily dosage and typical dosage form may be reduced relative to the usual dosage of the agent when administered alone, in view of the additive or synergistic effect of the therapeutic agents when administered in combination.

Particularly when provided as a single dosage unit, the potential exists for a chemical interaction between the combined active ingredients. For this reason, when the compound of Formula I and a second therapeutic agent are combined in a single dosage unit they are formulated such that although the active ingredients are combined in a single dosage unit, the physical contact between the active ingredients is minimized (that is, reduced). For example, one active ingredient may be enteric coated. By enteric coating one of the active ingredients, it is possible not only to minimize the contact between the combined active ingredients, but also, it is possible to control the release of one of these components in the gastrointestinal tract such that one of these components is not released in the stomach but rather is released in the intestines. One of the active ingredients may also be coated with a material which effects a sustained-release throughout the gastrointestinal tract and also serves to minimize physical contact between the combined active ingredients. Furthermore, the sustained-released component can be additionally enteric coated such that the release of this component occurs only in the intestine. Still another approach would involve the formulation of a combination product in which the one component is coated with a sustained and/or enteric release polymer, and the other component is also coated with a polymer such as a lowviscosity grade of hydroxypropyl methylcellulose (HPMC) or other appropriate materials as known in the art, in order to further separate the active components. The polymer coating serves to form an additional barrier to interaction with the other component.

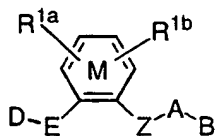
These as well as other ways of minimizing contact between the components of combination products of the present invention, whether administered in a single dosage form or administered in separate forms but at the same time by the same manner, will be readily apparent to those skilled in the art, once armed with the present disclosure.

Obviously, numerous modifications and variations of the present invention are possible in light of the above teachings. It is therefore to be understood that within the

scope of the appended claims, the invention may be practiced otherwise than as specifically described herein.

**WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTER
PATENT OF UNITED STATES IS:**

1. A compound of formula I:



or a stereoisomer or pharmaceutically acceptable salt form thereof, wherein;

ring M contains from 0-4 N atoms;

D is selected from CN, C(=NR⁷)NR⁸R⁹, NHC(=NR⁷)NR⁸R⁹, NR⁸CH(=NR⁷), C(O)NR⁸R⁹, and (CR⁸R⁹)_tNR⁸R⁹;

E is selected from phenyl, 2-pyridyl, 4-pyridyl, pyrimidyl, and piperidinyl substituted with 1 R;

R is selected from H, F, Cl, Br, I, OR³, SR³, CO₂R³, NO₂, and CH₂OR³, and (CR⁸R⁹)_tNR⁸R⁹;

alternatively, E and R combine to form methylenedioxy or ethylenedioxy;

Z is selected from a bond, C₁₋₄ alkylene, (CH₂)_rO(CH₂)_r, (CH₂)_rNR³(CH₂)_r, (CH₂)_rC(O)(CH₂)_r, (CH₂)_rC(O)O(CH₂)_r, (CH₂)_rOC(O)(CH₂)_r, (CH₂)_rC(O)NR³(CH₂)_r, (CH₂)_rNR³C(O)(CH₂)_r, (CH₂)_rOC(O)O(CH₂)_r, (CH₂)_rOC(O)NR³(CH₂)_r, (CH₂)_rNR³C(O)O(CH₂)_r, (CH₂)_rNR³C(O)NR³(CH₂)_r, (CH₂)_rS(O)_p(CH₂)_r, (CH₂)_rSO₂NR³(CH₂)_r, (CH₂)_rNR³SO₂(CH₂)_r, and (CH₂)_rNR³SO₂NR³(CH₂)_r, provided that Z does not form a N-N, N-O, N-S, NCH₂N, NCH₂O, or NCH₂S bond with ring M or group A;

R^{1a} and R^{1b} are independently absent or selected from
 $-(CH_2)_r-R^{1'}$, $-CH=CH-R^{1'}$, $NCH_2R^{1''}$, $OCH_2R^{1''}$, $SCH_2R^{1''}$,
 $NH(CH_2)_2(CH_2)_tR^{1'}$, $O(CH_2)_2(CH_2)_tR^{1'}$, and $S(CH_2)_2(CH_2)_tR^{1'}$;

5 alternatively, R^{1a} and R^{1b} , when attached to adjacent carbon
 atoms, together with the atoms to which they are attached
 form a 5-8 membered saturated, partially saturated or
 unsaturated ring substituted with 0-2 R^4 and which
 contains from 0-2 heteroatoms selected from the group
 10 consisting of N, O, and S;

alternatively, when Z is $C(O)NH$ and R^{1a} is attached to a ring
 carbon adjacent to Z, then R^{1a} is a $C(O)$ which replaces
 the amide hydrogen of Z to form a cyclic imide;

15

$R^{1'}$ is selected from H, C_{1-3} alkyl, F, Cl, Br, I, -CN, -CHO,
 $(CF_2)_rCF_3$, $(CH_2)_rOR^2$, NR^2R^{2a} , $C(O)R^{2c}$, $OC(O)R^2$,
 $(CF_2)_rCO_2R^{2c}$, $S(O)_pR^{2b}$, $NR^2(CH_2)_rOR^2$, $CH(=NR^{2c})NR^2R^{2a}$,
 $NR^2C(O)R^{2b}$, $NR^2C(O)NHR^{2b}$, $NR^2C(O)_2R^{2a}$, $OC(O)NR^{2a}R^{2b}$,
 20 $C(O)NR^2R^{2a}$, $C(O)NR^2(CH_2)_rOR^2$, $SO_2NR^2R^{2a}$, $NR^2SO_2R^{2b}$, C_{3-6}
 carbocyclic residue substituted with 0-2 R^4 , and 5-10
 membered heterocyclic system containing from 1-4
 heteroatoms selected from the group consisting of N, O,
 and S substituted with 0-2 R^4 ;

25

$R^{1''}$ is selected from H, $CH(CH_2OR^2)_2$, $C(O)R^{2c}$, $C(O)NR^2R^{2a}$,
 $S(O)R^{2b}$, $S(O)_2R^{2b}$, and $SO_2NR^2R^{2a}$;

30

R^2 , at each occurrence, is selected from H, CF_3 , C_{1-6} alkyl,
 benzyl, C_{3-6} carbocyclic residue substituted with 0-2
 R^{4b} , and 5-6 membered heterocyclic system containing from
 1-4 heteroatoms selected from the group consisting of N,
 O, and S substituted with 0-2 R^{4b} ;

35

R^{2a} , at each occurrence, is selected from H, CF_3 , C_{1-6} alkyl,
 benzyl, phenethyl, C_{3-6} carbocyclic residue substituted
 with 0-2 R^{4b} , and 5-6 membered heterocyclic system

containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b};

R^{2b}, at each occurrence, is selected from CF₃, C₁₋₄ alkoxy, C₁₋₆ alkyl, benzyl, C₃₋₆ carbocyclic residue substituted with 0-2 R^{4b}, and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b};

R^{2c}, at each occurrence, is selected from CF₃, OH, C₁₋₄ alkoxy, C₁₋₆ alkyl, benzyl, C₃₋₆ carbocyclic residue substituted with 0-2 R^{4b}, and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b};

alternatively, R² and R^{2a}, together with the atom to which they are attached, combine to form a 5 or 6 membered saturated, partially saturated or unsaturated ring substituted with 0-2 R^{4b} and containing from 0-1 additional heteroatoms selected from the group consisting of N, O, and S;

R³, at each occurrence, is selected from H, C₁₋₄ alkyl, and phenyl;

R^{3a}, at each occurrence, is selected from H, C₁₋₄ alkyl, and phenyl;

R^{3b}, at each occurrence, is selected from H, C₁₋₄ alkyl, and phenyl;

R^{3c}, at each occurrence, is selected from C₁₋₄ alkyl, and phenyl;

A is selected from:

C₃₋₁₀ carbocyclic residue substituted with 0-2 R⁴, and

5-10 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R⁴;

5 B is selected from: H, Y, and X-Y;

X is selected from C₁₋₄ alkylene, -CR²(CR²R^{2b})(CH₂)_t-, -C(O)-, -C(=NR¹)-, -CR²(NR¹R²)-, -CR²(OR²)-, -CR²(SR²)-, -C(O)CR²R^{2a}-, -CR²R^{2a}C(O)-, -S(O)_p-, -S(O)_pCR²R^{2a}-,
 10 -CR²R^{2a}S(O)_p-, -S(O)₂NR²-, -NR²S(O)₂-, -NR²S(O)₂CR²R^{2a}-, -CR²R^{2a}S(O)₂NR²-, -NR²S(O)₂NR²-, -C(O)NR²-, -NR²C(O)-, -C(O)NR²CR²R^{2a}-, -NR²C(O)CR²R^{2a}-, -CR²R^{2a}C(O)NR²-, -CR²R^{2a}NR²C(O)-, -NR²C(O)O-, -OC(O)NR²-, -NR²C(O)NR²-, -NR²-, -NR²CR²R^{2a}-, -CR²R^{2a}NR²-, O, -CR²R^{2a}O-, and
 15 -OCR²R^{2a}-;

Y is selected from:

(CH₂)_rNR²R^{2a}, provided that X-Y do not form a N-N, O-N, or S-N bond,

20 C₃₋₁₀ carbocyclic residue substituted with 0-2 R^{4a}, and 5-10 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4a};

25 R⁴, at each occurrence, is selected from H, =O, (CH₂)_rOR², F, Cl, Br, I, C₁₋₄ alkyl, -CN, NO₂, (CH₂)_rNR²R^{2a}, (CH₂)_rC(O)R^{2c}, NR²C(O)R^{2b}, C(O)NR²R^{2a}, NR²C(O)NR²R^{2a}, CH(=NR²)NR²R^{2a}, CH(=NS(O)₂R⁵)NR²R^{2a}, NHC(=NR²)NR²R^{2a}, C(O)NHC(=NR²)NR²R^{2a}, SO₂NR²R^{2a}, NR²SO₂NR²R^{2a}, NR²SO₂-C₁₋₄
 30 alkyl, NR²SO₂R⁵, S(O)_pR⁵, (CF₂)_rCF₃, NCH₂R¹", OCH₂R¹", SCH₂R¹", N(CH₂)₂(CH₂)_tR¹', O(CH₂)₂(CH₂)_tR¹', and S(CH₂)₂(CH₂)_tR¹';

alternatively, one R⁴ is a 5-6 membered aromatic heterocycle
 35 containing from 1-4 heteroatoms selected from the group consisting of N, O, and S;

R^{4a}, at each occurrence, is selected from H, =O, (CH₂)_rOR²,
 (CH₂)_r-F, (CH₂)_r-Br, (CH₂)_r-Cl, I, C₁₋₄ alkyl, -CN, NO₂,
 (CH₂)_rNR²R^{2a}, (CH₂)_rNR²R^{2b}, (CH₂)_rC(O)R^{2c}, NR²C(O)R^{2b},
 C(O)NR²R^{2a}, C(O)NH(CH₂)₂NR²R^{2a}, NR²C(O)NR²R^{2a},
 5 CH(=NR²)NR²R^{2a}, NHC(=NR²)NR²R^{2a}, SO₂NR²R^{2a}, NR²SO₂NR²R^{2a},
 NR²SO₂-C₁₋₄ alkyl, C(O)NHSO₂-C₁₋₄ alkyl, NR²SO₂R⁵, S(O)_pR⁵,
 and (CF₂)_rCF₃;

alternatively, one R^{4a} is a 5-6 membered aromatic heterocycle
 10 containing from 1-4 heteroatoms selected from the group
 consisting of N, O, and S and substituted with 0-1 R⁵;

R^{4b}, at each occurrence, is selected from H, =O, (CH₂)_rOR³, F,
 Cl, Br, I, C₁₋₄ alkyl, -CN, NO₂, (CH₂)_rNR³R^{3a},
 15 (CH₂)_rC(O)R³, (CH₂)_rC(O)OR^{3c}, NR³C(O)R^{3a}, C(O)NR³R^{3a},
 NR³C(O)NR³R^{3a}, CH(=NR³)NR³R^{3a}, NH³C(=NR³)NR³R^{3a}, SO₂NR³R^{3a},
 NR³SO₂NR³R^{3a}, NR³SO₂-C₁₋₄ alkyl, NR³SO₂CF₃, NR³SO₂-phenyl,
 S(O)_pCF₃, S(O)_p-C₁₋₄ alkyl, S(O)_p-phenyl, and (CF₂)_rCF₃;

20 R⁵, at each occurrence, is selected from CF₃, C₁₋₆ alkyl,
 phenyl substituted with 0-2 R⁶, and benzyl substituted
 with 0-2 R⁶;

R⁶, at each occurrence, is selected from H, OH, (CH₂)_rOR², F,
 25 Cl, Br, I, C₁₋₄ alkyl, CN, NO₂, (CH₂)_rNR²R^{2a},
 (CH₂)_rC(O)R^{2b}, NR²C(O)R^{2b}, NR²C(O)NR²R^{2a}, CH(=NH)NH₂,
 NHC(=NH)NH₂, SO₂NR²R^{2a}, NR²SO₂NR²R^{2a}, and NR²SO₂C₁₋₄ alkyl;

R⁷, at each occurrence, is selected from H, OH, C₁₋₆ alkyl,
 30 C₁₋₆ alkylcarbonyl, C₁₋₆ alkoxy, C₁₋₄ alkoxycarbonyl,
 (CH₂)_n-phenyl, C₆₋₁₀ aryloxy, C₆₋₁₀ aryloxycarbonyl, C₆₋₁₀
 arylmethylcarbonyl, C₁₋₄ alkylcarbonyloxy C₁₋₄
 alkoxycarbonyl, C₆₋₁₀ arylcarbonyloxy C₁₋₄ alkoxycarbonyl,
 C₁₋₆ alkylaminocarbonyl, phenylaminocarbonyl, and
 35 phenyl-C₁₋₄ alkoxycarbonyl;

R⁸, at each occurrence, is selected from H, C₁₋₆ alkyl and
 (CH₂)_n-phenyl;

alternatively, R^7 and R^8 combine to form a 5 or 6 membered saturated, ring which contains from 0-1 additional heteroatoms selected from the group consisting of N, O, and S;

R^9 , at each occurrence, is selected from H, C_{1-6} alkyl and $(CH_2)_n$ -phenyl;

n is selected from 0, 1, 2, and 3;

m is selected from 0, 1, and 2;

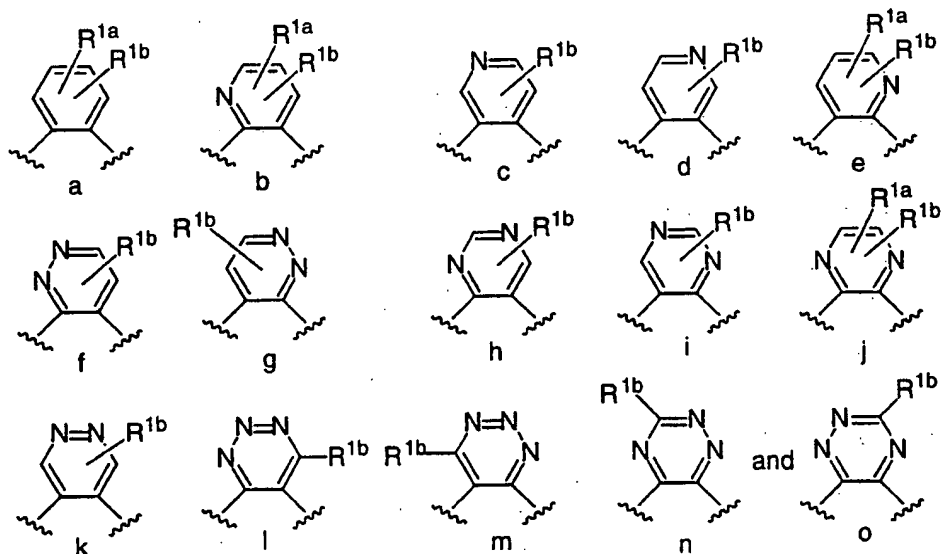
p is selected from 0, 1, and 2;

r is selected from 0, 1, 2, and 3;

s is selected from 0, 1, and 2; and,

t is selected from 0 and 1.

2. A compound according to Claim 1, wherein the compound is of formulae Ia-Io:



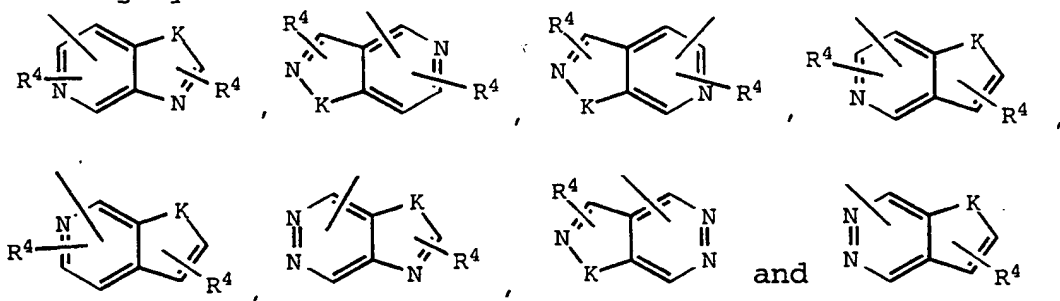
wherein:

Z is selected from a bond, CH_2O , OCH_2 , CH_2NH , NHCH_2 , $\text{CH}_2\text{C}(\text{O})$,
 $\text{C}(\text{O})\text{CH}_2$, $\text{C}(\text{O})\text{NH}$, $\text{C}(\text{O})\text{NH}$, $\text{CH}_2\text{S}(\text{O})_2$, $\text{S}(\text{O})_2(\text{CH}_2)$, SO_2NH , and
 5 SO_2NH ;

B is selected from: Y, X-Y, and NR^2R^{2a} ;

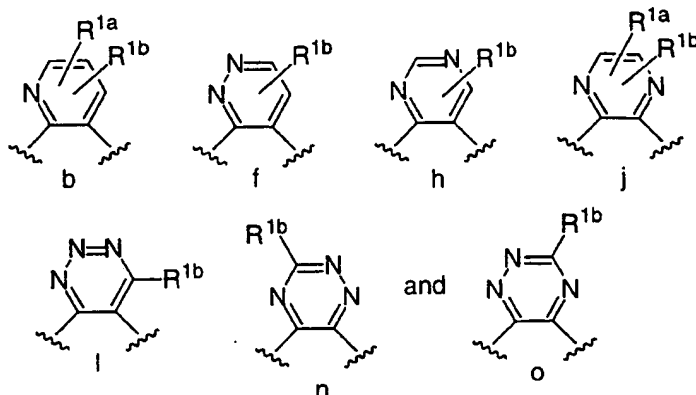
Y is selected from one of the following carbocyclic and
 10 heterocyclic systems which are substituted with 0-2 R^{4a} ;
 phenyl, piperidinyl, piperazinyl, pyridyl,
 pyrimidyl, furanyl, morpholinyl, thiophenyl, pyrrolyl,
 pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl,
 isothiazolyl, pyrazolyl, imidazolyl, oxadiazole,
 15 thiadiazole, triazole, 1,2,3-oxadiazole, 1,2,4-
 oxadiazole, 1,2,5-oxadiazole, 1,3,4-oxadiazole, 1,2,3-
 thiadiazole, 1,2,4-thiadiazole, 1,2,5-thiadiazole, 1,3,4-
 thiadiazole, 1,2,3-triazole, 1,2,4-triazole, 1,2,5-
 triazole, 1,3,4-triazole, benzofuran, benzothiofuran,
 20 indole, benzimidazole, benzoxazole, benzthiazole,
 indazole, benzisoxazole, benzisothiazole, and
 isoindazole;

Y may also be selected from the following bicyclic heteroaryl
 25 ring systems:



K is selected from O, S, NH, and N.

3. A compound according to Claim 2, wherein the compound is
 of formulae:



wherein:

D is selected from $C(=NR^7)NR^8R^9$ and $(CR^8R^9)_tNR^8R^9$;

5

R is selected from H, F, Cl, OR^3 , CH_2OR^3 , CH_2NH_2 ;

A is selected from:

piperidinyl,

10

piperazinyl,

C_{5-6} carbocyclic residue substituted with 0-2 R^4 , and

5-6 membered heteroaryl containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^4 ;

15

Y is selected from one of the following carbocyclic and heterocyclic systems which are substituted with 0-2 R^{4a} ;

phenyl, piperidinyl, piperazinyl, pyridyl,

pyrimidyl, furanyl, morpholinyl, thiophenyl, pyrrolyl,

20

pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl,

isothiazolyl, pyrazolyl, imidazolyl, benzimidazolyl,

oxadiazole, thiadiazole, triazole, 1,2,3-oxadiazole,

1,2,4-oxadiazole, 1,2,5-oxadiazole, 1,3,4-oxadiazole,

1,2,3-thiadiazole, 1,2,4-thiadiazole, 1,2,5-thiadiazole,

25

1,3,4-thiadiazole, 1,2,3-triazole, 1,2,4-triazole, 1,2,5-triazole, and 1,3,4-triazole.

4. A compound according to Claim 3, wherein:

30

E is phenyl;

D is selected from C(=NH)NH₂ and CH₂NH₂;

5 R is selected from H, F, Cl, and Br;

A is selected from:

C₅₋₆ carbocyclic residue substituted with 0-2 R⁴, and

5-6 membered heteroaryl containing from 1-3 heteroatoms

10 selected from the group consisting of N, O, and S substituted with 0-2 R⁴;

Y is selected from one of the following carbocyclic and

heterocyclic systems which are substituted with 0-2 R^{4a};

15 phenyl, piperidinyl, piperazinyl, pyridyl,
pyrimidyl, furanyl, morpholinyl, thiophenyl, pyrrolyl,
pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl,
isothiazolyl, pyrazolyl, imidazolyl, benzimidazolyl,
oxadiazole, thiadiazole, triazole, 1,2,3-oxadiazole,
20 1,2,4-oxadiazole, 1,2,5-oxadiazole, 1,3,4-oxadiazole,
1,2,3-thiadiazole, 1,2,4-thiadiazole, 1,2,5-thiadiazole,
1,3,4-thiadiazole, 1,2,3-triazole, 1,2,4-triazole, 1,2,5-
triazole, and 1,3,4-triazole;

25 R², at each occurrence, is selected from H, CF₃, C₁₋₆ alkyl,
benzyl, C₅₋₆ carbocyclic residue substituted with 0-2
R^{4b}, and 5-6 membered heterocyclic system containing from
1-4 heteroatoms selected from the group consisting of N,
O, and S substituted with 0-2 R^{4b};

30

R^{2a}, at each occurrence, is selected from H, CF₃, C₁₋₆ alkyl,
benzyl, phenethyl, C₅₋₆ carbocyclic residue substituted
with 0-2 R^{4b}, and 5-6 membered heterocyclic system
containing from 1-4 heteroatoms selected from the group
35 consisting of N, O, and S substituted with 0-2 R^{4b};

R^{2b}, at each occurrence, is selected from CF₃, C₁₋₄ alkoxy,
C₁₋₆ alkyl, benzyl, C₅₋₆ carbocyclic residue substituted

with 0-2 R^{4b} , and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b} ;

5 R^{2c} , at each occurrence, is selected from CF_3 , OH, C_{1-4} alkoxy, C_{1-6} alkyl, benzyl, C_{5-6} carbocyclic residue substituted with 0-2 R^{4b} , and 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-2 R^{4b} ;

10

alternatively, R^2 and R^{2a} , together with the atom to which they are attached, combine to form a ring selected from imidazolyl, morpholino, piperazinyl, pyridyl, and pyrrolidinyl, substituted with 0-2 R^{4b} ;

15

R^4 , at each occurrence, is selected from H, =O, OR^2 , CH_2OR^2 , F, Cl, C_{1-4} alkyl, NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2c}$, $CH_2C(O)R^{2c}$, $C(O)NR^2R^{2a}$, $CH(=NR^2)NR^2R^{2a}$, $CH(=NS(O)_2R^5)NR^2R^{2a}$, $SO_2NR^2R^{2a}$, $NR^2SO_2-C_{1-4}$ alkyl, $S(O)_2R^5$, and CF_3

20

provided that if B is H, then R^4 is other than tetrazole, $C(O)$ -alkoxy, and $C(O)NR^2R^{2a}$;

25

R^{4a} , at each occurrence, is selected from H, =O, $(CH_2)_rOR^2$, F, Cl, C_{1-4} alkyl, NR^2R^{2a} , $CH_2NR^2R^{2a}$, NR^2R^{2b} , $CH_2NR^2R^{2b}$, $(CH_2)_rC(O)R^{2c}$, $NR^2C(O)R^{2b}$, $C(O)NR^2R^{2a}$, $C(O)NH(CH_2)_2NR^2R^{2a}$, $NR^2C(O)NR^2R^{2a}$, $SO_2NR^2R^{2a}$, $S(O)_2R^5$, and CF_3 ; and,

30

R^{4b} , at each occurrence, is selected from H, =O, $(CH_2)_rOR^3$, F, Cl, C_{1-4} alkyl, NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, $CH_2C(O)R^3$, $C(O)OR^{3c}$, $C(O)NR^3R^{3a}$, $CH(=NR^3)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, $NR^3SO_2-C_{1-4}$ alkyl, $NR^3SO_2CF_3$, NR^3SO_2 -phenyl, $S(O)_2CF_3$, $S(O)_2-C_{1-4}$ alkyl, $S(O)_2$ -phenyl, and CF_3 .

35

5. A compound according to Claim 1, wherein the compound is selected from:

N-(2'-Aminosulfonyl-[1,1']biphen-4-yl)-2-(3'-
amidinophenyl)nicotinamide;

5 N-[5-(2-aminosulfonyl)phenylpyrid-2-yl]-2-(3'-
amidinophenyl)nicotinamide;

N-[5-(2-t-butylaminosulfonyl)phenylpyrid-2-yl]-2-(3'-
amidinophenyl)nicotinamide; and,

10 N-[5-(2-aminosulfonyl)phenylpyrid-2-yl]-2-(3'-
carboxamidophenyl)nicotinamide;

or a pharmaceutically acceptable salt thereof.

15

6. A pharmaceutical composition, comprising: a
pharmaceutically acceptable carrier and a therapeutically
effective amount of a compound according to Claim 1 or a
pharmaceutically acceptable salt thereof.

20

7. A pharmaceutical composition, comprising: a
pharmaceutically acceptable carrier and a therapeutically
effective amount of a compound according to Claim 2 or a
pharmaceutically acceptable salt thereof.

25

8. A pharmaceutical composition, comprising: a
pharmaceutically acceptable carrier and a therapeutically
effective amount of a compound according to Claim 3 or a
pharmaceutically acceptable salt thereof.

30

9. A pharmaceutical composition, comprising: a
pharmaceutically acceptable carrier and a therapeutically
effective amount of a compound according to Claim 4 or a
pharmaceutically acceptable salt thereof.

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10. A pharmaceutical composition, comprising: a
pharmaceutically acceptable carrier and a therapeutically

effective amount of a compound according to Claim 5 or a pharmaceutically acceptable salt thereof.

11. A method for treating or preventing a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 1 or a pharmaceutically acceptable salt thereof.

12. A method for treating or preventing a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 2 or a pharmaceutically acceptable salt thereof.

13. A method for treating or preventing a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 3 or a pharmaceutically acceptable salt thereof.

14. A method for treating or preventing a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 4 or a pharmaceutically acceptable salt thereof.

15. A method for treating or preventing a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 5 or a pharmaceutically acceptable salt thereof.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/12682

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C07D213/79 A61K31/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 96 16940 A (YAMANOUCHI PHARMA CO LTD ;HIRAYAMA FUKUSHI (JP); KOSHIO HIROYUKI () 6 June 1996 see the whole document	1-15
Y	& EP 0 798 295 A	1-15
Y	KUNITADA S ET AL: "FACTOR XA INHIBITORS" CURRENT PHARMACEUTICAL DESIGN, vol. 2, no. 5, October 1996, pages 531-542, XP002057653 * see page 538, table 7 * see the whole document	1-15
Y	MAO S -S: "FACTOR XA INHIBITORS" PERSPECTIVES IN DRUG DISCOVERY AND DESIGN, vol. 1, no. 3, 1993, pages 423-430, XP000654087 see the whole document	1-15



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

13 November 1998

Date of mailing of the international search report

02.12.98

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INTERNATIONAL SEARCH REPORT

Inte. l. Application No

PCT/US 98/12682

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EDMUNDS J J ET AL: "THROMBIN AND FACTOR XA INHIBITION" ANNUAL REPORTS IN MEDICINAL CHEMISTRY, vol. 31, 1996, pages 51-60, XP000653962 see the whole document ---	1-15
Y	TIDWELL R R ET AL: "STRATEGIES FOR ANTICOAGULATION WITH SYNTHETIC PROTEASE INHIBITORS XA INHIBITORS VERSUS THROMBIN INHIBITORS" THROMBOSIS RESEARCH, vol. 19, no. 3, 1 August 1980, pages 339-349, XP000574196 see the whole document ---	1-15
Y	STUERZEBECHER J ET AL: "SYNTHETIC INHIBITORS OF SERINE PROTEINASES XXIII. INHIBITION OF FACTOR XA BY DIAMIDINES" THROMBOSIS RESEARCH, vol. 17, no. 3/04, 1980, pages 545-548, XP000602215 see the whole document ---	1-15
Y	WO 95 18111 A (DU PONT MERCK PHARMA) 6 July 1995 cited in the application see the whole document ---	1-15
Y	WO 96 28427 A (BERLEX LAB ;BUCKMAN BRAD O (US); DAVEY DAVID D (US); GUILFORD WILL) 19 September 1996 cited in the application see the whole document ---	1-15
P,X	WO 97 38984 A (DU PONT MERCK PHARMA) 23 October 1997 see the whole document ---	1-15
P,X	WO 97 23212 A (DU PONT MERCK PHARMA) 3 July 1997 see the whole document ---	1-15
P,X	WO 98 06694 A (DU PONT MERCK PHARMA) 19 February 1998 see the whole document ---	1-15
P,X	WO 98 11094 A (SCHERING AG) 19 March 1998 see the whole document ---	1-15
E	WO 98 28269 A (DU PONT MERCK PHARMA) 2 July 1998 see the whole document ---	1-15
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INTERNATIONAL SEARCH REPORT

Inte. .donal Application No

PCT/US 98/12682

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	<p>WO 98 28282 A (DU PONT MERCK PHARMA) 2 July 1998 see the whole document -----</p>	1-15

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 98/12682

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: -
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Although claims 11-15 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

For economical reasons (cf. PCT-Search Guidelines, C-III,2.1), a complete search has been limited to the classification units goverend by the compounds listed in claim 5 and in the examples 1-4 in table 1 on page 43 of the description i.e. claims 1 - 10 were searched incompletely).

It is stressed that the small fixed part of the molecule(s) and the large number of theoretically conceivable and chemically totally different families of compounds deriving from combinations of all claimed substituents and linker groups (see 'inter alia' the definition of M, E, R1a, R1b, R2, R2a, R2b, R2c, A, Y, R4 and R4a) which represent all together more than 35 structural parameters precludes a comprehensive search (cf. PCT Articles 6 and 15 and PCT Rule 33, Examination Guidelines, B-III, 3.6).

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. l. Application No

PCT/US 98/12682

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